

# Connectors

## New Product Guide

### Over 700 new Product Lines

#### Connectors - Multipole

- Mini CPC – Ideal for applications where size, contact density and environmental exposure are primary concerns
- For more details see page 11



tyco | harsco | AMP

#### Connectors – Power & Mains

- Comprehensive range of IEC inlet Filters, including compact, fused and switched variants
- For more details see pages 18-19



**Belling Lee**

#### Connectors – RF Coaxial

- Multicomp MMCX , MCX – Offering 30% reduction in size over SMB/SMC
- For more details see pages 23-24



**multicomp**

#### Connectors – Signal

- IEEE1394 – A range of connectors and cable assemblies for speeds up to 400Mbps
- For more details see pages 27-28



**molex**



# Welcome to **Farnell InOne**

Farnell InOne is a world-leading marketer and distributor of electronic and MRO (maintenance, repair and operations) products. We offer our customers a multi-channel choice for over 220,000 stocked products, providing a comprehensive range of value-added services and tailored solutions to support your business needs.

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 eMail: **sales@farnellinone.co.uk**  
 Post: **Farnell InOne, Canal Road,  
 Leeds LS12 2TU**

3. Choose how you'd like to pay:  
 Farnell InOne account  
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\*there is a £10 minimum order value for credit card purchases

Orders placed before 8.00pm will be delivered next working day free of charge. For more urgent deliveries please call Farnell InOne Sales for details. Terms and Conditions apply.

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If you wish to open an account, simply send us your official company letterhead.

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 New Account Development,  
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...your account can be opened today!

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Buy with confidence. If you are not completely satisfied with the products you buy from Farnell InOne, just return within 30 days for a full refund.

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 The Returns Department, Farnell InOne International  
 Distribution Centre, Castleton Road, Leeds LS12 2EN.

\*Excludes software and specially constructed items.

## Feedback

Your feedback ensures we continue to improve our service to you.  
 eMail us at:

**marketingfeedback@farnellinone.co.uk**, or  
**productfeedback@farnellinone.co.uk**  
 (for existing product feedback or new product suggestions)

## Your award winning distributor

Farnell InOne has been voted Distributor of the Year 2003 by three separate awarding bodies!

### European Electronics Award – European Electronics Distributor of the Year 2003

This prestigious award was granted by key trade publication, Electronics Weekly.

### Tyco Electronics Award – Distributor of the Year – UK and Ireland

Granted for the second time to Farnell InOne by leading edge technology products company, Tyco Electronics.

### EPCOS UK Award – Distributor of the Year 2003

Awarded by leading passive component supplier, EPCOS UK.

A big thank you to our customers, suppliers and industry experts who have voted to make us Distributor of the Year!

## Product Watch - Your obsolescence notification service

- Advanced warning of obsolete, end of line and end of stock items.
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- Available FREE to all Farnell InOne account customers.



Tel: 08701 200 200 Fax: 08701 200 201  
 eMail: [productwatch@farnellinone.co.uk](mailto:productwatch@farnellinone.co.uk)

## Register now

For the convenience of receiving this service by eMail forward your name, Customer ID and account number to : [productwatch@farnellinone.co.uk](mailto:productwatch@farnellinone.co.uk).

\* This service is not available for consumable items e.g. batteries or goods easily substituted such as hand tools.

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Free next day delivery is available on all items if ordered before 8pm (orders placed on a Saturday will be delivered on the next working day) subject to availability. Terms and conditions apply. For more urgent deliveries please call the Farnell InOne Sales office for details. Prices exclude VAT and are valid until 30th April 2004.

# Contents

## All the latest products...

Welcome to issue 2 of our Connectors New Product Guide, focussing on providing you with the best connector ranges from Farnell InOne.

### Highlights from this issue include

- **Over 1200 products including over 700 new lines** from 19 suppliers, including
- **Tyco** – Miniature CPC (circular plastic) connectors **exclusive to Farnell InOne**. Ideal for industrial, instrumentation and transportation where size and environmental exposure is of primary concern. **See page 11**
- **Molex** – IEEE1394 industrial connectors offer a new standard of video and audio I/O and USB On-The-Go, enabling mobile devices to exchange data directly without the need from a host PC. **See page 28**
- **Multicomp** – RF connectors. Major price reductions enable you to reduce the cost of your application without compromising on quality. **See pages 21-24**

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## ...from industry leading manufacturers



**Metric Insulated Terminals - DIN 46237**



Wire Details	Insulation Colour			
	Red	Blue	Yellow	
Wire Size in mm <sup>2</sup>	0.25 - 1.65	1.04 - 2.63	2.63 - 6.64	
Single Stranded Wire Size Dia. in mm	0.57 - 1.44	1.14 - 1.82	1.82 - 2.89	
Equivalent A.W.G.	22 - 16	16 - 14	12 - 10	
Equivalent S.W.G.	29 - 17	17 - 13	11 - 6	
Suitable Metric Cables				
Stranded	19/0.15	19/0.3	19/0.45	
	13/0.2	7/0.5	44/0.3	
	16/0.2	21/0.3	7/0.85	
	19/0.2	30/0.25	56/0.3	
	14/0.25	19/0.335	65/0.3	
	24/0.2	63/0.2	37/0.4	
	19/0.25	28/0.3	159/0.2	
	32/0.2	35/0.3	84/0.3	
	40/0.2	51/0.25	7/1.04	
	19/0.3			
	Single	1/0.9	1/1.38	1/2.25
		1/1.13	1/1.78	

AWG=American Wire Gauge SWG=Standard Wire Gauge  
Conductor Make up Metric cables i.e. 19/0.15=19 strands of 0.15mm diameter.

CS403

**Un-insulated Crimp Terminals**

**Ring - DIN 46234**



334474

Stud Size mm	Mfrs. List No.	Order Code	Price Per Pack		
			1+	5+	10+
<b>0.1 to 0.5mm<sup>2</sup>, (26 to 22 AWG) - 100 Per Pack</b>					
2	GS2-0.5	<b>386-536812</b>	3.35	2.85	2.42
2.5	GS2.5-0.5	<b>386-537012</b>	3.35	2.85	2.42
3	GS3-0.5	<b>386-538112</b>	3.35	2.85	2.42
3.5	GS3.5-0.5	<b>386-539312</b>	3.35	2.85	2.42
4	GS4-0.5	<b>386-540012</b>	3.35	2.85	2.42
5	GS5-0.5	<b>386-541112</b>	3.35	2.85	2.42
<b>0.25 to 1.5mm<sup>2</sup>, (22 to 16 AWG) - 100 Per Pack</b>					
2.5	GS2.5-1	<b>386-542312</b>	3.87	3.29	2.80
3	GS3-1	<b>386-543512</b>	3.87	3.29	2.80
3.5	GS3.5-1	<b>386-544712</b>	3.87	3.29	2.80
4	GS4-1	<b>386-545912</b>	3.87	3.29	2.80
5	GS5-1	<b>386-546012</b>	3.87	3.29	2.80
6	GS6S-1	<b>386-547212</b>	5.78	4.92	4.18
8	GS8-1	<b>386-548412</b>	7.04	5.99	5.09
<b>1 to 2.5mm<sup>2</sup>, (16 to 24 AWG), 100 Per Pack</b>					
3	GS3-2.5	<b>386-549612</b>	6.17	5.24	4.46
3.5	GS3.5-2.5	<b>386-550212</b>	6.17	5.24	4.46
4	GS4-2.5	<b>386-551412</b>	6.17	5.24	4.46
5	GS5-2.5	<b>386-552612</b>	6.17	5.24	4.46
6	GS6-2.5	<b>386-553812</b>	6.79	5.77	4.91
8	GS8-2.5	<b>386-554012</b>	9.00	7.64	6.50
10	GS10-2.5	<b>386-555112</b>	5.79	4.93	4.18
12	GS12-2.5	<b>386-556312</b>	5.79	4.93	4.18
<b>2.5 to 6mm<sup>2</sup>, (12 to 10 AWG) - 50 Per Pack</b>					
4	GS4-6	<b>386-557512</b>	5.32	4.53	3.85
5	GS5-6	<b>386-558712</b>	5.32	4.53	3.85
6	GS6-6	<b>386-559912</b>	5.32	4.53	3.85
8	GS8-6	<b>386-560512</b>	6.79	5.77	4.91
10	GS10-6	<b>386-561712</b>	7.92	6.74	5.73
12	GS12-6	<b>386-562912</b>	7.92	6.74	5.73
<b>6 to 10mm<sup>2</sup>, (8 AWG) - 25 Per Pack</b>					
5	GS5-10	<b>386-563012</b>	3.84	3.27	2.78
6	GS6-10	<b>386-564212</b>	3.84	3.27	2.78
8	GS8-10	<b>386-565412</b>	4.30	3.65	3.10
10	GS10-10	<b>386-566612</b>	5.00	4.25	3.61
12	GS12-10	<b>386-567812</b>	8.99	7.63	6.49
<b>10 to 16mm<sup>2</sup>, (6 AWG) - 25 Per Pack</b>					
5	GS5-16	<b>386-568012</b>	5.47	4.65	3.95
6	GS6-16	<b>386-569112</b>	5.47	4.65	3.95
8	GS8-16	<b>386-570812</b>	6.18	5.25	4.46
10	GS10-16	<b>386-571012</b>	6.98	5.94	5.04
12	GS12-16	<b>386-572112</b>	13.02	11.08	9.41
<b>16 to 25mm<sup>2</sup>, (4 AWG) - 10 Per Pack</b>					
5	GS5-25	<b>386-573312</b>	4.57	3.89	3.31
6	GS6-25	<b>386-574512</b>	4.57	3.89	3.31
8	GS8-25	<b>386-575712</b>	4.57	3.89	3.31
10	GS10-25	<b>386-576912</b>	4.57	3.89	3.31
12	GS12-25	<b>386-577012</b>	7.30	6.20	5.27
16	GS16-25	<b>386-578212</b>	9.54	8.10	6.88

\*Terms and conditions apply

Stud Size mm	Mfrs. List No.	Order Code	Price Per Pack		
			1+	5+	10+
<b>25 to 35mm<sup>2</sup>, (2 AWG) - 10 Per Pack</b>					
6	GS6-35	<b>386-579412</b>	6.08	5.17	4.40
8	GS8-35	<b>386-580012</b>	6.08	5.17	4.40
10	GS10-35	<b>386-581212</b>	6.08	5.17	4.40
12	GS12-35	<b>386-582412</b>	8.32	7.07	6.01
16	GS16-35	<b>386-583612</b>	11.27	9.59	8.15
<b>35 to 50mm<sup>2</sup>, (1/0 AWG) - 5 Per Pack</b>					
6	GS6-50	<b>386-584812</b>	4.57	3.88	3.30
8	GS8-50	<b>386-585012</b>	4.57	3.88	3.30
10	GS10-50	<b>386-586112</b>	4.57	3.88	3.30
12	GS12-50	<b>386-587312</b>	4.90	4.16	3.54
16	GS16-50	<b>386-588512</b>	6.56	5.57	4.74
<b>50 to 70mm<sup>2</sup>, (2/0 AWG) - 5 Per Pack</b>					
6	GS6-70	<b>386-589712</b>	5.81	4.95	4.20
8	GS8-70	<b>386-590312</b>	5.81	4.95	4.20
10	GS10-70	<b>386-591512</b>	5.81	4.95	4.20
12	GS12-70	<b>386-592712</b>	5.81	4.95	4.20
16	GS16-70	<b>386-593912</b>	8.48	7.21	6.13

**Ratchet Crimp Tool**

**Non-insulated Terminals**



Ratchet hand crimping tool for use with the following non-insulated cable lugs:  
1. 0.1 - 0.5mm<sup>2</sup> (AWG 26 - 20)  
2. 0.5 - 2.5mm<sup>2</sup> (AWG 22 - 14)  
3. 4.0 - 6.0mm<sup>2</sup> (AWG 12 - 10)  
4. 10mm<sup>2</sup> (AWG 8)

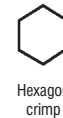
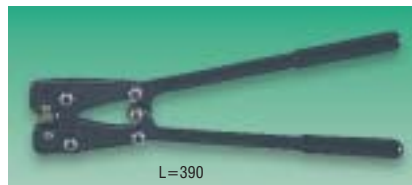


334498

Mfrs. List No.	Order Code	Price Each
WC-0510DIN	<b>390-558512</b>	147.19

**Crimp Tool for Copper Tube Terminals**

**DAVICO**



A high quality tool for crimping copper tube terminals with hexagon profile. A revolving die enables wire sizes between 6mm<sup>2</sup> and 50mm<sup>2</sup> to be easily crimped with minimal operator force. During the crimping process the solid core wire size is indented in the terminal to verify correct usage, ie, 6, 10, 16, etc. Metal body with black finish and rubber handles.

Mfrs. List No. DHC 50H

CS429X

Order Code	Price Each			
	1+	5+	10+	25+
<b>269-06212</b>	93.25	87.96	79.99	72.04

Order before 8pm for FREE next day delivery\*



**LTO Series**

**Push On Terminals**



- Push on terminals straight
- Brass, pre tinned



Tab Size	Wire Size	Insulation $\varnothing$	Mftrs. List No.	Order Code
6.35 x 0.8mm	0.5 - 1.0mm <sup>2</sup>	2.6 - 3.3mm	STO-1.0T-250N	362-543612
6.35 x 0.8mm	1.0 - 2.5mm <sup>2</sup>	2.6 - 4.3mm	STO-2.5T-250N	362-544812
4.8 x 0.5mm	0.5 - 1.0mm <sup>2</sup>	2.0 - 3.3mm	STO-1.0T-187N-5	362-541212
4.8 x 0.8mm	0.5 - 1.0mm <sup>2</sup>	2.0 - 3.3mm	STO-1.0T-187N-8	362-542412
2.8 x 0.8mm	0.5 - 1.0mm <sup>2</sup>	1.5 - 3.3mm	STO-1.0T-110N-8	362-539412
2.8 x 0.5mm	0.5 - 1.0mm <sup>2</sup>	2.0 - 3.3mm	STO-1.0T-110N-5	362-540012

230253

**Order Multiple = 100**

Mftrs. List No.

**Order Code**

**Price Each**  
100+ 500+ 1K+ 5K+

**Push On Terminal**

STO-1.0T-250N	<b>362-543612</b>	0.034	0.032	0.029	0.024
STO-2.5T-250N	<b>362-544812</b>	0.034	0.033	0.029	0.024
STO-1.0T-187N-5	<b>362-541212</b>	0.027	0.024	0.021	0.019
STO-1.0T-187N-8	<b>362-542412</b>	0.027	0.024	0.021	0.019
STO-1.0T-110N-8	<b>362-539412</b>	0.019	0.016	0.012	0.01
STO-1.0T-110N-5	<b>362-540012</b>	0.019	0.016	0.012	0.01

**Cover**

2.8mm 01019	<b>362-550312</b>	0.022	0.02	0.015	0.012
4.8mm 4803-187	<b>362-551512</b>	0.022	0.02	0.015	0.012
6.3mm 01022-250	<b>362-552712</b>	0.022	0.02	0.015	0.012

**Crimp Terminal Kits**

**Industrial crimp Kit**

**Ampliversal**



- CRIMPAC Hand Tool and 18 various Connector parts ( Some new developments)
- Suitable for the Industrial Electrician
- Double crimping Hand tool crimps both the conductor and insulation support
- Box is robust and constructed of light weight high tensile gray plastic



Kit Contents:		
Description	Manufacturers Part No.	Quantity
PG Butt Splices 0,5-1,6 mm <sup>2</sup>	0-0034070-0	40
PG Butt Splices 1,0 - 2,6 mm <sup>2</sup>	0-0034071-0	40
PG Butt Splices 2,7 - 6,6 mm <sup>2</sup>	0-0034072-0	40
PG Ring Tongue 2,7-6,6 mm <sup>2</sup> ; M10	0-0160124-0	40
PG Ring Tongue 0,5-1,6 mm <sup>2</sup> ; M5	0-0130014-0	40
PG Ring Tongue 0,5-1,6 mm <sup>2</sup> ; M2,6	0-0165004-0	40
PG Pin, Short 0,5-1,6 mm <sup>2</sup>	0-0165143-0	40
PG Ring Tongue 1,0-2,6 mm <sup>2</sup> ; M5	0-0130102-0	40
PG Spade 2,7-6,6 mm <sup>2</sup> ; M4	0-0165015-0	30
PG Spade 1,0-2,6 mm <sup>2</sup> ; M5	0-0160171-0	40
PG Spade 1,0-2,6 mm <sup>2</sup> ; M4	0-0165012-1	40
PG Ring Tongue 1,0-2,6 mm <sup>2</sup> ; M8	0-0160296-0	40
PG Spade 2,7-6,6 mm <sup>2</sup> ; M5	0-0165017-0	40
PG Pin, Long 2,7-6,6 mm <sup>2</sup>	0-0165085-0	40
PG Pin, Short 1,0-1,6 mm <sup>2</sup>	0-0165075-1	40
PIDG Faston Receptacle 0,5-1,6 mm <sup>2</sup> ; 4,8x0,8	9-0160481-1	40
PIDG Faston Receptacle 1,0-2,6 mm <sup>2</sup> ; 6,3x0,8	9-0160313-2	40
Electro-Tap; 1,0-2,5 mm <sup>2</sup>	0-0735398-0	20
CRIMPAC Handtool	0-0825508-5	1

243383

Description	Manufacturers Part Number	Order Code	1+	+
Industrial Crimp Kit	0-0725923-0	<b>421-767612</b>	114.76	—

**Auto-Repair Crimp Kit**



- Intended for Automobile repair and maintenance
- Kit contains SUPERCHAMP Hand Tool and 17 various Solder-free connectors
- Can strip and cut wire as well as crimping terminals
- Box is especially robust and constructed of light weight high tensile plastic

Kit Contents:		
Description	Manufacturers Part Number	Quantity
PG Butt Splices 1,0 - 2,6 mm <sup>2</sup>	0-0034071-0	20
PG Butt Splices 2,7 - 6,6 mm <sup>2</sup>	0-0034072-0	15
PG Ring Tongue 2,7-6,6 mm <sup>2</sup> ; M6	0-0165035-0	15
PG Ring Tongue 0,5-1,0 mm <sup>2</sup> ; M4	0-0034148-0	50
PG Ring Tongue 1,0-2,6 mm <sup>2</sup> ; M4	0-0034160-0	50
PG Ring Tongue 1,0-2,6 mm <sup>2</sup> ; M5	0-0130102-0	50
Female Bullet 5 mm	0-0165400-1	20
Male Bullet 5 mm	0-0160215-0	20
Faston Receptacle fully insulated 1,0-2,5 mm <sup>2</sup> ; 6,3x0,8	0-0735160-0	20
PG Ring Tongue 1,0-2,6 mm <sup>2</sup> ; M8	0-0160296-0	15
PIDG Faston Receptacle 0,5-1,6 mm <sup>2</sup> ; 6,3x0,8	9-0160583-2	50
PIDG Faston Piggy Back receptacle 1,0-2,6 mm <sup>2</sup> ; 6,3x0,8	9-0160463-2	50
PIDG Faston Receptacle 1,0-2,6 mm <sup>2</sup> ; 6,3x0,8	9-0160313-2	50
PIDG Faston Receptacle 2,7-6,6 mm <sup>2</sup> ; 6,3x0,8	0-0160314-2	40
PIDG Faston Receptacle 1,0-2,6 mm <sup>2</sup> ; 8,0x0,75	9-0160326-2	20
PIDG Faston Blade terminal 1,0-2,6 mm <sup>2</sup> ; 6,3x0,8	0-0140971-2	40
Electro-Tap; 1,0-2,5 mm <sup>2</sup>	0-0735398-0	5
SUPER CHAMP Hand Tool	0-0169060-8	1

243381

Description	Manufacturers Part No.	Order Code	1+	+
Auto-repair Kit	0-0725929-0	<b>421-768812</b>	91.56	—

5

**AMPLISET**

**Service and repair Crimp Kit**



- A Handy , lightweight and practical Service and repair crimp kit
- Contains The Superchamp precision crimp tool and 21 various solderless connectors
- Snap closes to a hand sized package that may be wall mounted

Kit Contents:		
Description	Manufacturers Part Number	Quantity
PG Butt splice 0,5 - 1,6 mm <sup>2</sup>	0-0034070-0	7
PG Ring tongue 0,5-1,6 mm <sup>2</sup> ; M3	0-0034142-0	3
PG Ring tongue 0,5-1,6 mm <sup>2</sup> ; M5	0-0130014-0	3
PG Spade 0,5-1,6 mm <sup>2</sup> ; M2,6	0-0165004-0	3
PG Pin, 0,5-1,6 mm <sup>2</sup> Short	0-0165143-0	3
PG Pin, 0,5-1,6 mm <sup>2</sup> Long	0-0165167-0	2
PG Butt Splice 1,0 - 2,6 mm <sup>2</sup>	0-0034071-0	5
PG Ring Tongue 1,0-2,6 mm <sup>2</sup> ; M5	0-0130102-0	3
PG Spade 1,0-2,6 mm <sup>2</sup> ; M4	0-0034166-0	2
PG Pin, 1,0-2,6 mm <sup>2</sup>	0-0165171-1	2
PG Ring Tongue 1,0-2,6 mm <sup>2</sup> ; M6	0-0165035-0	2
PG Ring Tongue 1,0-2,6 mm <sup>2</sup> ; M8	0-0160296-0	1
PG Spade 2,7-6,6 mm <sup>2</sup> ; M5	0-0165017-0	1
PG Pin, 2,7-6,6 mm <sup>2</sup>	0-0165085-0	1
PE Nylon End Splice 1,5-6,6 mm <sup>2</sup>	0-0328730-0	3
PIDG Faston Receptacle 0,5-1,6 mm <sup>2</sup> ; 6,3x0,8	9-0160583-2	3

**Crimp Terminal Kits - continued**

**AMPLISET - continued**

**Service and repair Crimp Kit - continued**

Kit Contents:		
PIDG Faston Receptacle 1,0-2,6 mm <sup>2</sup> ; 6,3x0,8	9-0160313-2	2
Faston Receptacle for Tab 1,0-2,6 mm <sup>2</sup> ; 6,3x0,8	0-0735159-0	2
Faston Piggy Back Receptacle 1,0-2,6 mm <sup>2</sup> ; 6,3x0,8	9-0160463-2	2
PIDG Faston Receptacle 2,7-6,6 mm <sup>2</sup> ; 6,3x0,8	0-0160314-2	1
SUPER CHAMP Crimp Tool	0-0169060-8	1

243385

Description	Mftrs Part No.	Order Code	Price Each	
			1+	+
AMPLISET-Service-Kit	0-0725972-0	<b>421-766412</b>	26.36	—

**Multipole Circular**

**MIL-C-26482 Series - Olive**

**Miniature Bayonet Lock Connectors**

CONTACT



The CPT series of miniature bayonet lock connectors are designed to conform to the materials and performance requirements of MIL-C 26482 series 1 specifications. Interchangeability and reliability with other connectors conforming to this specification is assured.

**New**

Manufacturers List Number	Order Code	Manufacturers List Number	Order Code
CPT02A10-6P	483-549912	CPT06E10-6PSR	483-565712
CPT02A10-7P	483-550512	CPT06E10-7PSR	483-566912
CPT02A12-8P	483-551712	CPT06E12-8PSR	483-567012
CPT02A12-10P	483-552912	CPT06E12-10PSR	483-568212
CPT02A14-12P	483-553012	CPT06E14-12PSR	483-569412
CPT02A14-19P	483-554212	CPT06E14-19PSR	483-570012
CPT02A16-26P	483-555412	CPT06E16-26PSR	483-571212
CPT02A18-32P	483-556612	CPT06E18-32PSR	483-572412
CPT02A10-6S	483-557812	CPT06E10-6SSR	483-573612
CPT02A10-7S	483-558012	CPT06E10-7SSR	483-574812
CPT02A12-8S	483-559112	CPT06E12-8SSR	483-575012
CPT02A12-10S	483-560812	CPT06E12-10SSR	483-576112
CPT02A14-12S	483-561012	CPT06E14-12SSR	483-577312
CPT02A14-19S	483-562112	CPT06E14-19SSR	483-578512
CPT02A16-26S	483-563312	CPT06E16-26SSR	483-579712
CPT02A18-32S	483-564512	CPT06E18-32SSR	483-580312

**Specifications**

	Size 16 Contacts	Size 20 Contacts
Current Rating	13.0A	7.5A
Wire Range	16 to 20 AWG	20 to 24 AWG
Voltage Rating AC	600V rms	
Voltage Rating DC	700V	
Test Voltage AC	1500V	
Operating Temperature	-55°C to 125°C	

**Materials**

Housing	Aluminium alloy according to QQ-A-591
Contacts	Copper alloy, Gold plated over nickel
Inserts	High insulation synthetic rubber in accordance with MIL-R-3065
Insulation Resistance	≥ 5 x 10 <sup>3</sup> MR

335233

Shell No. Size	Contact Contacts	Contact Size	Price Each					
			Order Code	1+	10+	25+	50+	250+
<b>Plug - Chassis</b>								
10	6	20	483-549912	8.75	7.44	7.18	6.83	5.97
10	7	20	483-550512	8.97	7.62	7.36	7.00	6.12
12	8	20	483-551712	10.05	8.54	8.24	7.84	6.85
12	10	20	483-552912	11.21	9.53	9.19	8.74	7.64
14	8 (+4)	20 (16)	483-553012	12.13	10.31	9.95	9.46	8.27
14	19	20	483-554212	14.98	12.73	12.28	11.68	10.21
16	26	20	483-555412	17.70	15.05	14.51	13.81	12.08
18	32	20	483-556612	19.91	16.92	16.33	15.53	13.58
<b>Socket - Chassis</b>								
10	6	20	483-557812	10.31	8.76	8.45	8.04	7.03
10	7	20	483-558012	10.97	9.32	9.00	8.56	7.48
12	8	20	483-559112	12.26	10.42	10.05	9.56	8.36
12	10	20	483-560812	12.53	10.65	10.27	9.77	8.55
14	8 (+4)	20 (16)	483-561012	16.62	14.13	13.63	12.96	11.33

Shell No. Size	Contact Contacts	Contact Size	Price Each					
<b>Socket - Chassis</b>								
14	19	20	483-562112	20.45	17.38	16.77	15.95	13.94
16	26	20	483-563312	26.82	22.80	21.99	20.92	18.29
18	32	20	483-564512	30.86	26.23	25.31	24.07	21.05
<b>Plug, Cable</b>								
10	6	20	483-565712	17.98	15.28	14.74	14.02	12.26
10	7	20	483-566912	17.93	15.24	14.70	13.99	13.52
12	8	20	483-567012	19.56	16.63	16.04	15.26	14.67
12	10	20	483-568212	20.30	17.26	16.65	15.83	15.21
14	8 (+4)	20 (16)	483-569412	22.83	19.41	18.72	17.81	15.56
14	19	20	483-570012	25.12	21.35	20.60	19.59	17.12
16	26	20	483-571212	26.99	22.94	22.13	21.05	20.45
18	32	20	483-572412	31.60	26.86	25.91	24.65	23.24
<b>Socket, Cable</b>								
10	6	20	483-573612	19.29	16.40	15.82	15.05	14.45
10	7	20	483-574812	19.37	16.46	15.88	15.11	14.53
12	8	20	483-575012	21.15	17.98	17.34	16.50	15.86
12	10	20	483-576112	21.93	18.64	17.98	17.11	16.44
14	8 (+4)	20 (16)	483-577312	25.19	21.41	20.66	19.65	19.03
14	19	20	483-578512	28.79	24.47	23.61	22.46	19.64
16	26	20	483-579712	36.79	31.27	30.17	28.70	25.09
18	32	20	483-580312	42.84	36.41	35.13	33.42	29.21

**MIL-C-26482 Series - Nickel**

**Miniature Bayonet Lock Connectors**

The CPT series of Nickel Plated, miniature bayonet lock connectors are designed to conform to the materials and performance requirements of MIL-C 26482 series 1 specifications. Interchangeability and reliability with other connectors conforming to this specification is assured.

CONTACT

**New**

Mftrs. List No.	Order Code	Mftrs. List No.	Order Code
CPT02A10-6PN	483-676512	CPT06E10-6PSRN	483-680712
CPT02A12-10PN	483-677712	CPT06E12-10PSRN	483-681912
CPT02A10-6SN	483-678912	CPT06E10-6SSRN	483-682012
CPT02A12-10SN	483-679012	CPT06E12-10SSRN	483-683212

**Specifications**

Contacts	Size 20
Current Rating	7.5A
Wire Range	20 to 24 AWG
Voltage Rating AC	600V rms
Voltage Rating DC	700V
Test Voltage AC	1500V
Operating Temperature	-55°C to 125°C

**Materials**

Housing	Aluminium alloy according to QQ-A-591
Contacts	Copper alloy, Gold plated over nickel
Inserts	High insulation synthetic rubber in accordance with MIL-R-3065
Insulation Resistance	≥ 5 x 10 <sup>3</sup> MR

335234

Shell No. Size	No. Contacts	Contact Size	Price Each					
			Order Code	1+	10+	25+	50+	250+
<b>Plug - Chassis</b>								
10	6	20	<b>483-676512</b>	8.75	7.44	7.18	6.83	5.97
12	10	20	<b>483-677712</b>	11.21	9.53	9.19	8.74	7.64
<b>Socket - Chassis</b>								
10	6	20	<b>483-678912</b>	10.31	8.76	8.45	8.04	7.03
12	10	20	<b>483-679012</b>	12.53	10.65	10.27	9.77	8.55
<b>Plug - Cable</b>								
10	6	20	<b>483-680712</b>	17.98	15.28	14.74	14.02	12.26
12	10	20	<b>483-681912</b>	20.30	17.26	16.65	15.83	15.21
<b>Socket - Cable</b>								
10	6	20	<b>483-682012</b>	19.29	16.40	15.82	15.05	14.45
12	10	20	<b>483-683212</b>	21.93	18.64	17.98	17.11	16.44

\*Terms and conditions apply

Order before 8pm for FREE next day delivery\*



MIL-C-5015 Connectors

CONTACT



The CM1 series of connectors derives from the MIL-C-5015 standard, but is different because of its bayonet coupling, which reduces the coupling time and makes the coupling easier when the connector is in an awkward position. Another advantage is the resistance to vibrations because of the three stainless steel wear pins located near the end of the bayonet track of the receptacle.



This series uses the same inserts as the MIL-C-5015 and the VG 95234 and is interchangeable with the latter.

Typical applications include road and rail transport, military vehicles, communication and radar apparatus, cinema and television lighting systems and industrial automation.

Specifications

Table with columns for Size (8, 12, 16 Contacts) and rows for Current Rating, Contact Resistance, Wire Size, Rating, Voltage Rating, and Test Voltage.

Materials

Table listing materials for Housing, Contacts, and Insulator.

Operating Temperature and Insulation Resistance

Main product list table with columns: Mftrs. List No., Order Code, Rating, Mftrs. List No., Order Code, Rating.

35255

Summary table for MIL-C-5015 Connectors with columns: Shell Size, No. Contacts, Size Contacts, Order Code, Price Each (1+, 10+, 25+, 50+, 250+).

Main product list table with columns: Shell Size, No. Contacts, Size Contacts, Order Code, Price Each (1+, 10+, 25+, 50+, 250+).

Accessories

Table listing accessories with columns: Shell Size, No. Contacts, Size Contacts, Order Code, Price Each.

Multipole Circular - continued

MIL-C-5105 Series - Nickel

Miniature Bayonet Lock Connectors

The CM1 series of Nickel Plated connectors derives from the MIL-C-5015 standard, but is different because of its bayonet coupling, which reduces the coupling time and makes the coupling easier when the connector is in an awkward position. Another advantage is the resistance to vibrations because of the three stainless steel wear pins located near the end of the bayonet track of the receptacle.

This series uses the same inserts as the MIL-C-5015 and the VG 95234 and is interchangeable with the latter.

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
CM13106A10SL-3PNON	483-684412	CM13102A10SL-3PN	483-690012
CM13106A10SL-4PNON	483-685612	CM13102A10SL-4PN	483-691112
CM13106A14S-6PNON	483-686812	CM13102A14S-6PN	483-692312
CM13106A10SL-3SNON	483-687012	CM13102A10SL-3SN	483-693512
CM13106A10SL-4SNNO	483-688112	CM13102A10SL-4SN	483-694712
CM13106A14S-6SNON	483-689312	CM13102A14S-6SN	483-695912
CM3106F10SL-3N	483-696012	CM3108F10SL-3N	483-699612
CM3106F10SL-4N	483-697212	CM3108F10SL-4N	483-700912
CM3106F14S-6N	483-698412	CM3108F14S-6N	483-701012

Specifications

Contacts	Size 20
Current Rating	7.5A
Wire Range	20 to 24 AWG
Voltage Rating AC	600V rms
Voltage Rating DC	700V
Test Voltage AC	1500V
Operating Temperature	-55°C to 125°C

Materials

Housing	Aluminium alloy according to QQ-A-591
Contacts	Copper alloy, Gold plated over nickel
Inserts	High insulation synthetic rubber in accordance with MIL-R-3065

Insulation Resistance

≥ 5 x 10<sup>9</sup> MR

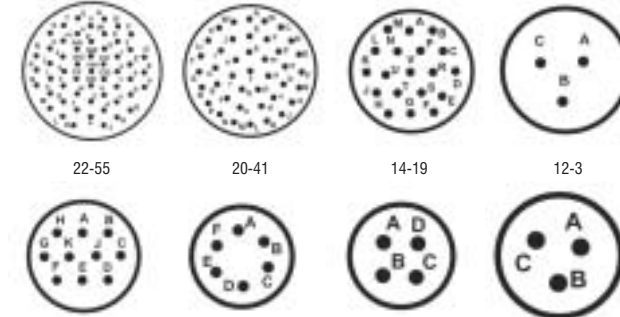
335236

Shell No.	Contact Size	Contact Size	Order Code	1+	10+	25+	50+	250+
<b>Plug - Cable</b>								
10	2	16	483-684412	10.79	9.17	8.85	8.42	7.36
10	3	16	483-685612	10.22	8.69	8.38	7.97	6.97
14	6	16	483-686812	12.26	10.42	10.05	9.56	8.36
<b>Socket - Cable</b>								
10	2	16	483-688112	10.60	9.01	8.69	8.27	7.23
10	3	16	483-687012	11.39	9.68	9.34	8.88	7.76
14	6	16	483-689312	14.32	12.17	11.74	11.17	9.76
<b>Plug - Chassis</b>								
10	2	16	483-691112	8.46	7.19	6.94	6.60	6.38
10	3	16	483-690012	8.48	7.21	6.95	6.61	6.48
10	6	16	483-692312	10.14	8.62	8.31	7.91	7.71
<b>Socket - Chassis</b>								
10	2	16	483-694712	8.97	7.62	7.36	7.00	6.86
10	3	16	483-693512	9.28	7.89	7.61	7.24	7.09
14	6	16	483-695912	11.69	9.94	9.59	9.12	8.86
<b>Accessories</b>								
10	3	Clamp, Straight	483-696012	7.16	6.09	5.87	5.58	4.88
10	4	Clamp, Straight	483-697212	7.16	6.09	5.87	5.58	4.88
14	6	Clamp, Straight	483-698412	6.68	5.68	5.48	5.21	4.98
10	3	Clamp, Straight	483-699612	13.81	11.74	11.32	10.77	9.41
10	4	Clamp, Straight	483-700912	13.40	11.39	10.99	10.45	9.14
14	6	Clamp, Straight	483-701012	13.47	11.45	11.05	10.51	9.18

MIL-C-26482 Series 1  
Miniature Sealed Connectors



MIL-C-26482 connectors offer high density contact arrangements in a miniature circular shell. Crimp and solder styles are available which are interchangeable with all MIL-C-26482 style connectors.



MS3126F22-55S=390-427112	MS3122E10-6P=390-450712	MS3112E12-10S=390-479912
MS3126F20-41S=390-429512	MS3116F8-4S=390-451912	MS3112E10-6S=390-481712
MS3126F14-19S=390-431312	MS3116F8-3S=390-453212	MS3112E8-4P=390-468412
MS3126F12-3S=390-433712	MS3116F22-55S=390-455612	MS3112E8-3P=390-470212
MS3126F12-10S=390-435012	MS3116F20-41S=390-457012	MS3112E22-55P=390-472612
MS3126F10-6S=390-437412	MS3116F14-19S=390-459312	MS3112E20-41P=390-474012
MS3126F22-55P=390-428312	MS3116F12-3S=390-461112	MS3112E14-19P=390-476312
MS3126F20-41P=390-430112	MS3116F12-10S=390-463512	MS3112E12-3P=390-478712
MS3126F14-19P=390-432512	MS3116F10-6S=390-465912	MS3112E12-10P=390-480512
MS3126F12-3P=390-434912	MS3116F8-4P=390-452012	MS3112E10-6P=390-482912
MS3126F12-10P=390-436212	MS3116F8-3P=390-454412	AF8=890-37612
MS3126F10-6P=390-438612	MS3116F22-55P=390-456812	M22520/1-2=390-483012
MS3122E22-55S=390-439812	MS3116F20-41P=390-458112	MS24256A16=390-484212
MS3122E20-41S=390-441612	MS3116F14-19P=390-460012	MS24256A20=390-485412
MS3122E14-19S=390-443012	MS3116F12-10P=390-464712	MS24256R16=390-486612
MS3122E12-3S=390-445312	MS3116F12-10P=390-464712	MS24256R20=390-487812
MS3122E12-10S=390-447712	MS3116F10-6P=390-466012	KPSE-KIT=390-490812
MS3122E10-6S=390-449012	MS3112E8-4S=390-467212	225-1011-000=390-488012
MS3122E22-55P=390-440412	MS3112E8-3S=390-469612	225-1012-000=390-489112
MS3122E20-41P=390-442812	MS3112E22-55S=390-471412	030-9032-003=390-491012
MS3122E14-19P=390-444112	MS3112E20-41S=390-473812	031-9095-003=390-492112
MS3122E12-3P=390-446512	MS3112E14-19S=390-475112	030-9036-000=390-493312
MS3122E12-10P=390-448912	MS3112E12-3S=390-477512	031-9074-002=390-494512

Specifications

Current Rating	Size 16 Contacts	22A
Wire Range	Size 20 Contacts	7.5A
Voltage Rating AC	20 to 24 AWG	20 to 24 AWG
Voltage Rating DC	600V rms	
Mating Cycles	850V	
Operating Temperature	500	
	-55°C to 125°C	

Materials

Housing	Aluminium Alloy Olive Drab Chromate finish
Contacts	Copper Alloy, Gold MIL-G-45204 plated
Insulator	Neoprene

Approvals

MIL-C-26482 VG 95 328

233516

Shell No.	Contact Size	Contact Size	Order Code	1+	10+	25+
<b>Straight Plug - Socket Contacts - Crimp</b>						
22	55	20	390-427112	43.80	38.30	36.65
20	41	20	390-429512	38.79	33.91	31.37
14	19	20	390-431312	27.45	26.85	24.97
12	3	16	390-433712	23.55	20.59	19.05
12	10	20	390-435012	23.18	20.26	18.74
10	6	20	390-437412	21.17	18.51	17.13
<b>Straight Plug - Pin Contacts - Crimp</b>						
22	55	20	390-428312	39.50	36.53	29.97
20	41	20	390-430112	40.28	35.21	32.57
14	19	20	390-432512	27.27	23.84	22.05
12	3	16	390-434912	22.12	19.35	17.89
12	10	20	390-436212	23.47	20.52	18.97
10	6	20	390-438612	21.46	18.76	17.36
<b>Panel Mount Receptacle - Socket Contacts - Crimp</b>						
22	55	20	390-439812	33.57	32.56	31.25
20	41	20	390-441612	26.89	25.36	24.53
14	19	20	390-443012	19.90	17.40	16.09
12	3	16	390-445312	16.21	12.76	11.80
12	10	20	390-447712	17.11	14.97	13.84
10	6	20	390-449012	16.21	14.17	13.11

\*Terms and conditions apply

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Shell	No.	Contact		Price Each			
<b>Panel Mount Receptacle - Pin Contacts - Crimp</b>							
22	55	20	390-440412	35.51	31.05	28.71	
20	41	20	390-442812	39.56	34.61	22.62	
14	19	20	390-444112	20.65	18.05	16.71	
12	3	16	390-446512	14.66	12.82	11.85	
12	10	20	390-448912	17.57	15.36	14.21	
10	6	20	390-450712	16.61	14.52	13.43	
<b>Straight Plug - Socket Contacts - Solder</b>							
8	4	20	390-451912	23.60	20.63	19.09	
8	3	20	390-453212	23.09	20.19	18.67	
22	55	20	390-455612	48.92	45.77	44.51	
20	41	20	390-457012	78.89	69.04	45.12	
14	19	20	390-459312	28.31	24.75	22.90	
12	3	16	390-461112	21.91	20.15	19.45	
12	10	20	390-463512	22.82	21.50	19.69	
10	6	20	390-465912	35.86	31.37	20.51	
<b>Straight Plug - Pin Contacts - Solder</b>							
8	4	20	390-452012	40.90	35.79	23.39	
8	3	20	390-454412	39.94	34.95	22.84	
22	55	20	390-456812	45.93	40.15	37.15	
20	41	20	390-458112	79.62	69.66	45.53	
14	19	20	390-460012	26.78	23.42	21.65	
12	3	16	390-462312	18.66	17.95	17.66	
12	10	20	390-464712	23.11	20.20	18.69	
10	6	20	390-466012	34.70	30.36	19.84	
<b>Panel Mount Receptacle - Socket Contacts - Solder</b>							
8	4	20	390-467212	13.85	12.11	11.20	
8	3	20	390-469612	11.11	9.71	8.99	
22	55	20	390-471412	68.58	60.00	39.22	
20	41	20	390-473812	55.57	48.62	31.78	
14	19	20	390-475112	18.99	16.60	15.36	
12	3	16	390-477512	23.51	20.57	13.45	
12	10	20	390-479912	14.32	12.52	11.58	
10	6	20	390-481712	12.58	11.00	10.17	
<b>Panel Mount Receptacle - Pin Contacts - Solder</b>							
8	4	20	390-468412	21.84	19.11	12.49	
8	3	20	390-470212	20.90	18.28	11.95	
22	55	20	390-472612	61.54	53.85	35.20	
20	41	20	390-474012	52.68	46.09	30.13	
14	19	20	390-476312	16.77	14.67	13.56	
12	3	16	390-478712	20.17	17.65	11.54	
12	10	20	390-480512	13.62	11.91	11.02	
10	6	20	390-482912	12.13	10.61	9.82	
<b>Tools</b>							
			<b>Order Code</b>	<b>1+</b>			
Crimp Tool			890-37612	234.05			
Positioner			390-483012	83.81			
Insertion Tool Size 16			390-484212	23.01			
Insertion Tool Size 20			390-485412	23.01			
Extraction Tool Size 16			390-486612	30.49			
Extraction Tool Size 20			390-487812	30.49			
KPSE Complete Crimp Kit			390-490812	443.85			
Wire Hole Fillers				<b>Price Each</b>			
			<b>Order Code</b>	<b>1+</b>	<b>50+</b>	<b>100+</b>	
Size 16			390-488012	0.12	0.105	0.095	
Size 20			390-489112	0.045	0.04	0.035	
Crimp Contacts				<b>Price Each</b>			
			<b>Order Code</b>	<b>1+</b>	<b>5+</b>	<b>10+</b>	<b>50+</b>
Size 16 Pin			390-491012	0.48	0.44	0.40	0.34
Size 16 Socket			390-492112	0.86	0.79	0.72	0.61
Size 20 Pin			390-493312	0.34	0.31	0.28	0.24
Size 20 Socket			390-494512	0.46	0.42	0.38	0.33

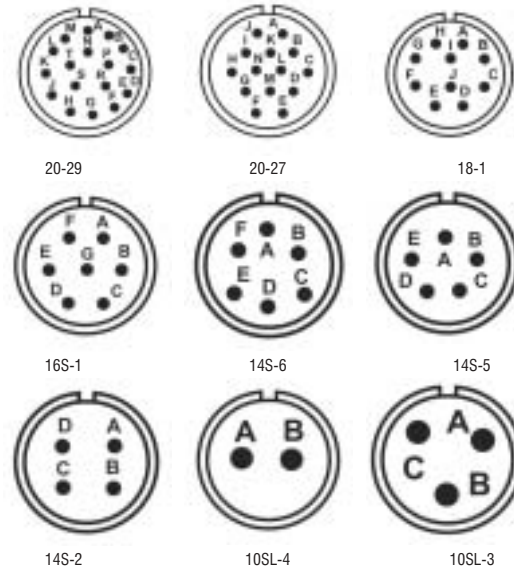
MIL-C-5015 Connectors



MIL-C-5015 connectors are designed and manufactured for extreme conditions but are ideally suited to commercial applications where a low cost rugged connector is required.

- Completely sealed to withstand moisture, condensation, vibration and flashover
- Tinned solder pot termination

Typical applications include aircraft, industrial equipment, medical equipment, transportation, communication, robotics and telecommunications



Specification	
Current Rating	13A
Insulation Resistance	≥5000MΩ
Voltage Rating AC	200V rms
Voltage Rating DC	250V
Mating Cycles	100
Operating Temperature	-55°C to 125°C
Wire Range	16 to 20 AWG

Materials	
Housing	Aluminium Alloy Olive Drab Chromate finish
Contacts (Size 16)	Brass, Gold MIL-G-45204 plated
Insulator	Neoprene

MS3106F straight plugs mate with MS3102 receptacles  
MS3101F cable connecting plugs are used for cable extension requirements where mounting provisions are unnecessary and mate with MS3106F plugs

Mfrs. List No.

MS3106F20-29S=390-501912	MS3102R20-29S=390-519612	MS3101F20-29S=390-537812
MS3106F20-27S=390-503212	MS3102R20-27S=390-521412	MS3101F20-27S=390-539112
MS3106F18-1S=390-505612	MS3102R18-1S=390-523812	MS3101F16S-1S=390-543312
MS3106F16S-1S=390-507012	MS3102R16S-1S=390-525112	MS3101F16S-1S=390-543312
MS3106F14S-6S=390-509312	MS3102R14S-6S=390-527512	MS3101F14S-6S=390-545712
MS3106F14S-5S=390-511112	MS3102R14S-5S=390-529912	MS3101F14S-5S=390-547012
MS3106F14S-2S=390-513512	MS3102R14S-2S=390-531712	MS3101F14S-2S=390-549412
MS3106F10SL-4S=390-515912	MS3102R10SL-4S=390-533012	MS3101F10SL-4S=390-551212
MS3106F10SL-3S=390-517212	MS3102R10SL-3S=390-535412	MS3101F10SL-3S=390-553612
MS3106F20-29P=390-502012	MS3102R20-29P=390-520212	MS3101F20-29P=390-538012
MS3106F20-27P=390-504412	MS3102R20-27P=390-522612	MS3101F20-27P=390-540812
MS3106F18-1P=390-506812	MS3102R18-1P=390-524012	MS3101F18-1P=390-542112
MS3106F16S-1P=390-508112	MS3102R16S-1P=390-526312	MS3101F16S-1P=390-544512
MS3106F14S-6P=390-510012	MS3102R14S-6P=390-528712	MS3101F14S-6P=390-546912
MS3106F14S-5P=390-512312	MS3102R14S-5P=390-530512	MS3101F14S-5P=390-548212
MS3106F14S-2P=390-514712	MS3102R14S-2P=390-532912	MS3101F14S-2P=390-550012
MS3106F10SL-4P=390-516012	MS3102R10SL-4P=390-534212	MS3101F10SL-4P=390-552412
MS3106F10SL-3P=390-518412	MS3102R10SL-3P=390-536612	MS3101F10SL-3P=390-554812

235517

Multipole Circular - continued

MIL-C-5015 Connectors - continued

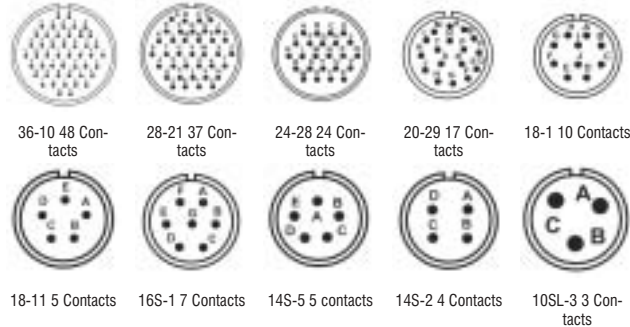
Shell Size	No. Contacts	Order Code	1+	5+	10+	50+
<b>Free Plug - Socket Contacts</b>						
20	17	390-501912	33.91	29.66	27.42	24.68
20	14	390-503212	31.19	27.27	25.23	22.71
18	10	390-505612	26.76	23.40	21.65	19.49
16	7	390-507012	26.76	23.40	21.65	19.49
14	6	390-509312	17.68	15.46	14.31	12.88
14	5	390-511112	16.86	14.74	13.63	12.27
14	4	390-513512	16.03	14.02	12.96	11.67
10	2	390-515912	14.07	12.31	11.38	10.25
10	3	390-517212	14.93	13.06	12.07	10.87
<b>Free Plug - Pin Contacts</b>						
20	17	390-502012	28.52	24.94	23.06	20.76
20	14	390-504412	26.59	23.25	21.50	19.35
18	10	390-506812	22.91	20.03	18.53	16.68
16	7	390-508112	19.98	17.47	16.16	14.55
14	6	390-510012	16.27	14.23	13.16	11.85
14	5	390-512312	15.65	13.68	12.65	11.39
14	4	390-514712	15.02	13.13	12.14	10.93
10	2	390-516012	13.59	11.88	10.99	9.90
10	3	390-518412	14.20	12.42	11.49	10.35
<b>Panel Mount Receptacle - Socket Contacts</b>						
20	17	390-519612	22.84	19.97	18.47	16.63
20	14	390-521412	20.07	17.55	16.23	14.61
18	10	390-523812	15.89	13.89	12.85	11.57
16	7	390-525112	11.09	9.70	8.97	8.08
14	6	390-527512	9.96	8.71	8.06	7.26
14	5	390-529912	9.13	7.99	7.39	6.66
14	4	390-531712	8.29	7.25	6.71	6.04
10	2	390-533012	7.12	6.22	5.76	5.19
10	3	390-535412	7.96	6.97	6.44	5.80
<b>Panel Mount Receptacle - Pin Contacts</b>						
20	17	390-520212	17.42	15.23	14.09	12.69
20	14	390-522612	15.49	13.54	12.53	11.28
18	10	390-524012	12.05	10.53	9.74	8.77
16	7	390-526312	9.42	8.24	7.62	6.86
14	6	390-528712	8.55	7.47	6.92	6.23
14	5	390-530512	7.93	6.94	6.42	5.78
14	4	390-532912	7.31	6.39	5.91	5.32
10	2	390-534212	6.64	5.80	5.37	4.84
10	3	390-536612	12.66	11.08	7.24	6.52
<b>Cable Connector Plug (Receptacle with no mounting flange) - Socket Contacts</b>						
20	17	390-537812	44.39	38.84	25.38	22.85
20	14	390-539112	42.95	37.58	24.56	22.11
18	10	390-541012	26.48	23.15	21.41	19.27
16	7	390-543312	22.18	19.39	17.94	16.15
14	6	390-545712	18.93	16.55	15.30	13.77
14	5	390-547012	18.10	15.83	14.64	13.18
14	4	390-549412	17.25	15.08	13.95	12.56
10	2	390-551212	15.84	13.85	12.82	11.54
10	3	390-553612	16.68	14.59	13.49	12.15
<b>Cable Connector Plug (Receptacle with no mounting flange) - Pin Contacts</b>						
20	17	390-538012	47.03	41.15	26.90	24.21
20	14	390-540812	45.13	39.49	25.81	23.23
18	10	390-542112	20.48	17.91	16.57	14.92
16	7	390-544512	20.48	17.91	16.65	14.99
14	6	390-546912	17.53	15.33	14.17	12.76
14	5	390-548212	16.92	14.79	13.68	12.32
14	4	390-550012	16.29	14.24	13.17	11.86
10	2	390-552412	15.32	13.39	13.17	11.86
10	3	390-554812	15.96	13.95	12.91	11.62

CA-Bayonet Series MIL-C-5015 Reverse Bayonet Lock



Derived from MIL-C-5015 but uses a positive, quick mating 3-point reverse bayonet lock coupling system. These connectors share the same shell dimensions and contact layouts as MIL-C-5015 threaded connectors but the series are not interchangeable. Completely sealed to withstand moisture, condensation, vibration and flashover across a broad range of wire diameters.

- Allows mating and unmating with simple 120° rotation
- Eliminates cross threading
- Easier mating in cold conditions and confined spaces



Specification	Size 16 Contacts	Size 12 Contacts
Current Rating	22A	41A
Wire Range	16 to 20 AWG	12 to 14 AWG
Voltage Rating AC	200V rms	
Voltage Rating DC	250V	
Mating Cycles	2000	
Operating Temperature	-55°C to 125°C	

Materials	Aluminium Alloy Olive Drab Chromate finish
Housing	Aluminium Alloy Olive Drab Chromate finish
Contacts	Copper alloy, Gold plated
Insulator	Neoprene

CA3106E36-10SB=390-576712	CA3106E14S-5SB=390-590112	CA3102E20-29PB=390-603612
CA3106E36-10PB=390-577912	CA3106E14S-5PB=390-591312	CA3102E18-1SB=390-604812
CA3106E28-21SB=390-578012	CA3106E14S-2SB=390-592512	CA3102E18-1PB=390-605012
CA3106E28-21PB=390-579212	CA3106E14S-2PB=390-593712	CA3102E18-11SB=390-606112
CA3106E24-28SB=390-580912	CA3106E10SL-3SB=390-594912	CA3102E18-11PB=390-607312
CA3106E24-28PB=390-581012	CA3106E10SL-3PB=390-595012	CA3102E16S-1SB=390-608512
CA3106E20-29SB=390-582212	CA3102E36-10SB=390-596212	CA3102E16S-1PB=390-609712
CA3106E20-29PB=390-583412	CA3102E36-10PB=390-597412	CA3102E14S-5SB=390-610312
CA3106E18-1SB=390-584612	CA3102E28-21SB=390-598612	CA3102E14S-5PB=390-611512
CA3106E18-1PB=390-585812	CA3102E28-21PB=390-599812	CA3102E14S-2SB=390-612712
CA3106E16S-1SB=390-586012	CA3102E24-28SB=390-600012	CA3102E14S-2PB=390-613912
CA3106E18-11PB=390-587112	CA3102E24-28PB=390-601212	CA3102E10SL-3SB=390-614012
CA3106E16S-1SB=390-588312	CA3102E20-29SB=390-602412	CA3102E10SL-3PB=390-614012
CA3106E16S-1PB=390-589512		

233518

Shell Size	No. Contacts	Contact Size	Order Code	1+	10+	25+
<b>Straight Plug - 3106 - Socket Contacts</b>						
36	48	16	390-576712	80.74	70.59	65.30
28	37	16	390-578012	61.20	53.52	49.50
24	24	16	390-580912	26.75	23.39	21.64
20	17	16	390-582212	36.49	31.90	29.51
18	10	16	390-584612	29.13	25.47	23.56
18	5	12	390-586012	17.89	15.65	14.47
16	7	16	390-588312	23.71	20.72	19.17
14	5	16	390-590112	18.74	16.38	15.16
14	4	16	390-592512	17.89	15.65	14.47
10	3	16	390-594912	16.95	14.82	13.71
<b>Straight Plug - 3106 - Pin Contacts</b>						
36	48	16	390-577912	67.88	59.35	54.90
28	37	16	390-579212	51.20	44.77	41.41
24	24	16	390-581012	42.47	37.14	34.35
20	17	16	390-583412	30.98	27.09	25.05
18	10	16	390-585812	25.21	22.04	20.39
18	5	12	390-587112	23.31	20.37	18.85
16	7	16	390-589512	22.00	19.23	17.79
14	5	16	390-591312	17.52	15.32	14.17
14	4	16	390-593712	16.88	14.76	13.65
10	3	16	390-595012	16.24	14.20	13.13
<b>Panel Mount Receptacle -3102 - Socket Contacts</b>						
36	48	16	390-596212	57.22	50.03	46.28
28	37	16	390-598612	45.29	39.61	36.63
24	24	16	390-600012	33.18	29.01	26.83
20	17	16	390-602412	23.75	20.76	19.21
18	10	16	390-604812	16.94	14.81	13.70
18	5	12	390-606112	14.14	12.37	11.44

\*Terms and conditions apply

Order before 8pm for FREE next day delivery\*



Shell Size	No. Contacts	Contact Size	Order Code	1+	10+	25+
<b>Panel Mount Receptacle -3102 - Socket Contacts</b>						
16	7	16	390-608512	13.08	11.43	10.58
14	5	16	390-610312	10.59	9.26	8.57
14	4	16	390-613912	8.73	7.63	7.07
10	3	16	390-614012	9.48	8.28	7.67
<b>Panel Mount Receptacle -3102- Pin Contacts</b>						
36	48	16	390-597412	44.39	38.81	35.90
28	37	16	390-599812	35.29	30.86	28.54
24	24	16	390-601212	31.60	27.65	18.07
20	17	16	390-603612	18.22	15.93	14.74
18	10	16	390-605012	13.03	11.40	10.53
18	5	12	390-607312	11.10	9.71	8.97
16	7	16	390-609712	11.38	9.26	8.57
14	5	16	390-611512	9.37	8.19	7.58
14	4	16	390-612712	9.75	8.52	7.88
10	3	16	390-615212	8.73	7.63	7.07

No. of Shell Mftrs.	Price Each					
Order Multiple = 1	1+	50+	100+	250+		
<b>Cable Clamp</b>						
8	1445730-1	488-961712	1.15	1.04	0.98	0.92
11	1445856-1	488-962912	1.15	1.04	0.98	0.92
<b>Flange Seal</b>						
8	1445420-1	488-963012	0.43	0.39	0.37	0.34
11	1445420-2	488-964212	0.43	0.39	0.37	0.34
<b>Dust Cap</b>						
8	1604089-1	488-965412	0.65	0.59	0.55	0.52
11	1604089-2	488-966612	0.76	0.68	0.65	0.61
<b>Jam Nut</b>						
11	1604196-1	488-967812	0.64	0.58	0.54	0.51
11	1445904-1	488-968012	0.55	0.50	0.47	0.44
<b>Crimp Tools</b>						
22 - 26	91529-1	433-987312	319.16	---	---	---
18 - 22	755331-1	133-81412	369.96	---	---	---

**"Mini CPC, currently exclusive through Farnell InOne.**

**Tyco UK/Ireland Distributor of the year 2003**

**Multipole Rectangular**

**MATE-N-LOK II**



Mini universal PCB Receptacle



- Multipole PCB Receptacle
- Polarised to ensure correct Mating
- Pitch 4,14mm
- Contacts accept wire size range 30-16 AWG



**Mini CPC Sealed, 4 and 9 Pole**



Ideal for industrial, Instrumentation and transportation applications where size, contact density and environmental exposure are primary concerns.

- Nylon housing offers good resistance to wide range of chemicals
- Easy grip 1/4 turn coupling with positive lock
- Anti vibration lock
- Front or rear jam nut mounting
- Fast coupling and uncoupling
- Sealed to IP67



Material Thermoplastic  
 Temp Range -55°C to 105°C  
 Current Rating 7A, with 18AWG wire  
 Working Voltage 600V  
 Mating Cycles 500 - gold plated contacts, 50 - tin plated contacts

Housing Polyamid , UL94V-0  
 Dielectric Withstanding Voltage 1500 VAC/VDC  
 Current Rating Up to 10.5A per circuit, 2 position  
 Isolationswiderstand: 100MΩ  
 Durability 25 Mating Cycles  
 Temperature Range -20°C To +65°C

239828

No. of Ways	Shell Size	Mftrs. List No.	Order Code	1+	50+	100+	250+
<b>Cable Plug</b>							
4	8	1445390-3	488-953812	1.67	1.50	1.42	1.34
9	11	1445807-3	488-956312	1.75	1.58	1.49	1.40
<b>Receptacle - Panel Mounting</b>							
4	8	1445421-3	488-951412	2.42	2.18	2.06	1.94
9	11	1445816-3	488-954012	2.57	2.31	2.18	2.06
<b>Free Receptacle</b>							
4	8	1445389-3	488-952612	1.80	1.62	1.53	1.44
9	11	1445825-3	488-955112	1.88	1.69	1.60	1.50
<b>Order Multiple = 10</b>							
Wire Size				10+	100+	500+	1K+
AWG	mm <sup>2</sup>						
<b>Pin Contacts - Gold Plated</b>							
26 - 22	0.12 - 0.3	170363-3	488-957512	0.22	0.20	0.19	0.18
22 - 18	0.3 - 0.8	170364-3	488-959912	0.22	0.20	0.19	0.18
<b>Pin Contacts - Tin Plated</b>							
22 - 26	0.12 - 0.35	170363-1	133-76012	0.052	0.042	0.04	0.036
18 - 22	0.3 - 0.8	170364-1	133-77212	0.052	0.042	0.04	0.036
<b>Socket Contacts - Gold Plated</b>							
26 - 22	0.12 - 0.3	170365-3	488-958712	0.22	0.20	0.19	0.18
22 - 18	0.3 - 0.8	170366-3	488-960512	0.22	0.20	0.19	0.18
<b>Socket Contacts - Tin Plated</b>							
22 - 26	0.12 - 0.35	170365-1	133-78412	0.052	0.042	0.04	0.036
18 - 22	0.3 - 0.89	170366-1	133-79612	0.052	0.042	0.04	0.036

No. of Ways	Rows	Mftrs.	Order Code	1+	100+	250+
<b>Straight</b>						
<b>List No.</b>						
2	1	770166-1	361-495512	0.54	0.48	0.46
3	1	770170-1	361-496712	0.59	0.53	0.50
4	2	770174-1	361-497912	0.62	0.56	0.53
6	2	770178-1	361-498012	0.69	0.60	0.58
8	2	794065-1	361-499212	0.77	0.69	0.66
9	Matrix	770182-1	361-500512	0.82	0.74	0.70
10	2	770743-1	361-501712	0.95	0.84	0.81
12	2	794066-1	361-502912	1.05	0.94	0.89
12	Matrix	770186-1	361-503012	1.05	0.94	0.89
14	2	794067-1	361-504212	1.16	1.03	0.99
15	Matrix	770190-1	361-505412	1.19	1.06	1.01
16	2	794068-1	361-506612	1.24	1.10	1.06
18	2	794069-1	361-507812	1.33	1.19	1.13
20	2	794070-1	361-508012	1.40	1.25	1.20
22	2	794071-1	361-509112	1.50	1.32	1.27
24	2	794072-1	361-510812	1.61	1.44	1.37
<b>Right Angled</b>						
2	1	770966-1	361-518212	0.66	0.58	0.56
3	1	770967-1	361-519412	0.69	0.60	0.58
4	2	770968-1	361-520012	0.75	0.67	0.63
6	2	770969-1	361-521212	0.93	0.82	0.78
8	2	770970-1	361-522412	1.01	0.90	0.86
10	2	770971-1	361-523612	1.10	0.99	0.94
12	2	770972-1	361-524812	1.15	1.02	0.99
14	2	770973-1	361-525012	1.31	1.15	1.10
16	2	770974-1	361-526112	1.37	1.22	1.16
18	2	794105-1	361-527312	1.53	1.35	1.30
20	2	794106-1	361-528512	1.68	1.50	1.44
22	2	794107-1	361-529712	1.85	1.64	1.57
24	2	794108-1	361-530312	1.94	1.73	1.65

**Multipole Rectangular - continued**

**MATE-N-LOK II**

Mini Universal, Dual Row



- Locking Plug and Cap Housing Assemblies
- Dual Row
- Contacts accept wire range 30-16 AWG



Housing Polyamid, UL94V-0 Insulation Resistance 100MR  
 Contact Resistance 20mΩ Durability 25 Mating Cycles  
 Dielectric Withstanding Voltage 1500V AC/VDC Temperature Range -20°C To +65°C  
 Current Rating Up to 10.5A Per circuit, 2 position

239847

No. Of Ways	Plug Housing Mfrs List No.	Order Code	Price Each			
			1+	100+	250+	500+
<b>Plug Housing</b>						
8	794192-1	361-477312	1.03	0.92	0.87	0.83
10	794196-1	361-478512	1.08	0.96	0.92	0.87
12	794198-1	361-479712	1.30	1.12	0.99	0.94
14	794202-1	361-480312	1.31	1.13	1.09	1.04
16	794206-1	361-481512	1.33	1.14	1.11	1.06
18	794208-1	361-482712	1.37	1.22	1.16	1.10
20	794210-1	361-483912	1.47	1.31	1.25	1.19
22	794212-1	361-484012	1.54	1.37	1.31	1.25
24	794214-1	361-485212	1.61	1.44	1.37	1.30
<b>Receptacle Housing</b>						
8	794193-1	361-486412	1.09	0.97	0.93	0.88
10	794197-1	361-487612	1.23	1.09	1.05	1.00
12	794199-1	361-488812	1.29	1.14	1.09	1.04
14	794203-1	361-489012	1.35	1.21	1.15	1.09
16	794207-1	361-490612	1.37	1.23	1.18	1.11
18	794209-1	361-491812	1.42	1.27	1.22	1.15
20	794211-1	361-492012	1.47	1.31	1.25	1.19
22	794213-1	361-493112	1.54	1.37	1.31	1.25
25	794215-1	361-494312	1.61	1.44	1.37	1.30

**MATE-N-LOK II**

Mini Universal Matrix



- Locking Plug and Cap Housing assemblies
- Fully Polarised to ensure correct Mating
- Pins and sockets may be intermixed in the same Housing
- Contacts accept wire size range 30 - 16 AWG



Housing UL94V-0  
 Contact Resistance 20mΩ  
 Dielectric withstanding Voltage 1500V AC/VDC  
 Current rating up to 10.5A Per circuit, 2 position  
 Insulation Resistance 100MR  
 Durability Up to 25 mating cycles  
 Temperature Range -20°C To +65°C

239850

No. of Ways	Mfrs List No.	Order Code	Price Each			
			1+	100+	250+	500+
<b>Plug</b>						
9	794194-1	361-471212	0.95	0.84	0.80	0.76
12	794200-1	361-472412	1.15	1.02	0.98	0.98
15	794204-1	361-473612	1.21	1.07	1.03	1.03
<b>Cap</b>						
9	794195-1	361-474812	1.05	0.94	0.89	0.89
12	794201-1	361-475012	1.28	1.14	1.09	1.09
15	794205-1	361-476112	1.33	1.18	1.13	1.13

**MATE-N-LOK II**

Mini Universal Crimp Contacts



- Crimp Contacts: Brass, Tin plated
- supplied Loose



Contact mm <sup>2</sup>	Insulation-Ø mm	L mm	Mfrs List No.	Order Code
<b>Pin Contact</b>				
0,05-0,12	0,89-1,27	19,69	794224-1	361-5315
0,12-0,3	1,19-1,75	19,69	794226-1	361-5327
0,3-0,8	1,50-2,39	19,69	794228-1	361-5339
0,5-1,2	2,01-3,20	19,69	794230-1	361-5340
<b>Socket Contact</b>				
0,05-0,12	0,89-1,27	19,69	794225-1	361-5352
0,12-0,3	1,19-1,75	19,69	794227-1	361-5364
0,3-0,8	1,50-2,39	19,69	794229-1	361-5376
0,5-1,2	2,01-3,20	19,69	794231-1	361-5388

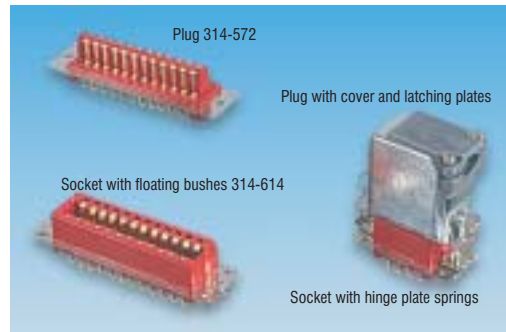
239866

Mfrs List No.	Order Code	10+	Price Each 50+	100+
<b>Pin Contact</b>				
794224-1	361-531512	0.073	0.062	0.052
794226-1	361-532712	0.073	0.062	0.052
794228-1	361-533912	0.073	0.062	0.052
794230-1	361-534012	0.073	0.062	0.052
<b>Socket Contact</b>				
794225-1	361-535212	0.073	0.062	0.052
794227-1	361-536412	0.073	0.062	0.052
794229-1	361-537612	0.073	0.062	0.052
794231-1	361-538812	0.073	0.062	0.052
<b>Crimp Tool</b>				
0-0090707-2		1+		
22-18 (0.3-0.8mm <sup>2</sup> )	423-251312	679.58		
0-0091522-1				
20-16 (0.5-1.3mm <sup>2</sup> )	423-250112	248.61		

12

**Red Range 5A**

**McMurdo**



A range of connectors with a low insertion and withdrawal force, having barrier polarisation of plug relative to socket ensuring that incorrect contact cannot be made during blind insertion. Mouldings in red nylon PF.

Current rating @ 80°C 5A max  
 Operating voltage 800V dc  
 Breakdown voltage 3.5kV dc/ac peak  
 Contact pitch 4.7mm  
 Insulation resistance (initially) 100000MΩ max  
 Contact resistance (initially) 5mΩ  
 Temperature range -40°C to +100°C

Note: All covers are supplied with side entry, but can all be changed to top entry if required.

CM124

No. of Ways	Mfrs. List No.	Order Code	Price Each					
			1+	25+	50+	100+	250+	500+
<b>Plugs</b>								
8	RP8	314-55912	6.38	5.75	5.60	5.44	5.12	4.41
16	RP16	314-56012	8.73	7.87	7.64	7.45	7.01	6.11
24	RP24	314-57212	11.97	10.78	10.50	10.23	9.59	8.70
32	RP32	314-58412	20.73	15.67	13.84	11.76	10.71	9.30
<b>Sockets with Floating Bushes</b>								
8	RS8	314-59612	7.28	6.56	6.38	6.21	5.83	5.21
16	RS16	314-60212	10.65	9.59	9.33	9.10	8.53	7.70
24	RS24	314-61412	15.17	13.69	13.32	12.94	12.16	10.47
32	RS32	314-62612	24.29	18.97	16.18	13.75	12.50	10.82
<b>Covers</b>								
8	RC108	314-64012	13.15	9.82	8.67	7.37	6.71	5.87
16	RC116	314-65112	14.15	10.56	9.32	7.94	7.22	6.31
24	RC124	314-66312	14.29	10.67	9.43	8.00	7.28	6.38
32	RC132	314-67512	14.76	11.00	9.74	8.27	7.53	6.59

\*Terms and conditions apply

Order before 8pm for FREE next day delivery\*



No. of Ways	Mftrs. List No.	Order Code	Price Each					
			1+	25+	50+	100+	250+	500+
<b>Hinge Plate Spring</b>								
	RLH	314-68712	0.76	0.58	0.48	0.42	0.38	0.35
<b>Order Multiple=4</b>								
<b>Latching Plates</b>								
	RLL	314-69912	0.42	0.33	0.30	0.24	0.23	0.19

**Wire Connectors**

**Winged Wire Connectors**



- Colour coded to industry standards
- Designed for ease of use in tight spaces
- Square wire spring provides secure grip on conductor
- Flame retardant thermoplastic shell
- Approvals **UL, CSA**

Voltage Rating 600V  
 Working Temperature 105°C  
 Material Thermoplastic, UL94V-2

312009

Wire Size	Order Code	Price Each		
		1+	5+	10+
18 To 10,AWG	443-104212	2.18	1.84	1.68
22 To 8,AWG	443-105412	2.73	2.30	2.10
18 To 8,AWG	443-106612	2.75	2.32	2.12
18 To 8,AWG	443-107812	4.10	3.65	3.30
14 To 6,AWG	443-108012	5.70	4.70	4.30

**Push In Wire Connectors**



- Solid wire push in connector
- Flame retardant thermoplastic
- Colour coded
- Approvals **UL, CSA**

Housing Material Thermoplastic UL94V-2  
 Current Rating 24A  
 Working Temperature 110 C  
 Voltage Rating 600V  
 Wire Range 22 To 12 AWG

Height 9.5mm      Width 10.5mm      Depth 19.5mm

312010

No of Ways	Order Code	Price Each		
		10+	50+	100+
2 Red	443-110812	0.074	0.04	0.029
3 Orange	443-111012	0.088	0.048	0.034
4 Yellow	443-112112	0.101	0.055	0.039
5 Grey	443-113312	0.123	0.067	0.048
8 Black	443-114512	0.221	0.121	0.086

**0.8mm Pitch**

**Plugs and Sockets**



- Allows horizontal board to board stacking for design flexibility
- Fine pitch surface mount technology
- Board locating pegs on plug
- 10 to 50 way double row
- Polarised housing
- Low profile design

Voltage rating 500Vac      Temperature range -40°C to +105°C  
 Current rating 0.5A      Housing Polyamide UL94V-0  
 Dielectric strength Vac      Contacts Phopher Bronze  
 Insulation resistance 50MΩ(250Vdc)

Mftrs. List No. Plugs=M60-711XX05P, Sockets=M60-705XX05, where XX=No. of ways

335244

No. of Ways	Order Code	Price Each				
		1+	25+	50+	100+	250+
<b>SMT Plugs</b>						
10+10	486-090112	1.49	1.34	1.22	1.08	1.02
15+15	486-091312	1.80	1.62	1.47	1.30	1.23
20+20	486-092512	2.16	1.95	1.77	1.57	1.47
25+25	486-093712	2.47	2.22	2.02	1.79	1.68
30+30	486-094912	2.89	2.60	2.37	2.10	1.97
40+40	486-095012	2.97	2.67	2.43	2.16	2.03
50+50	486-096212	3.36	3.02	2.75	2.44	2.29
<b>SMT Sockets</b>						
10+10	486-097412	1.32	1.19	1.08	0.96	0.90
15+15	486-098612	1.52	1.37	1.25	1.11	1.04
20+20	486-099812	1.71	1.54	1.40	1.24	1.17
25+25	486-100012	1.88	1.69	1.53	1.36	1.28
30+30	486-101212	2.26	2.03	1.85	1.64	1.54
40+40	486-102412	3.28	2.96	2.69	2.38	2.24
50+50	486-103612	3.66	3.29	2.99	2.65	2.49

**1.00mm Pitch**

**IEEE 1386 - Mezzanine**

**1.00mm (.039") Pitch - Plugs and Receptacles**



- Mated heights 8, 9, 10, 11, 12, 13, 14 and 15mm
- 64 circuits
- Leaf style design protects pins
- Antiflux design
- Low insertion force
- High temperature LCP housing for use with reflow solder processes



13

The IEEE1386 Standard contains the details for adding standardized PCI mezzanine cards to VMEbus and Multibus host boards. There are also many LAN, WAN, telecommunications, PC and workstation users who want a standardized mezzanine scheme, and see the IEEE1386 as the best approach. The fully shrouded leaf-style design minimizes the chance of damaging plug contacts, and our receptacle contacts feature a low mating force that reduces PC board stress. Gold over Nickel contact plating enhances long-term reliability and the UL 94V-0 LCP housings withstand SMT reflow processes. Excellent tolerance absorption allows the connector to be used in combinations of 1-4 mated pairs for up to 256 circuits.

Voltage Rating 100V      Operating temperature range: -55°C to 85°C  
 Current Rating 1.0A      Mating/Unmating Force 25 g Max / 50 g Min - per contact  
 Contact Resistance 30mR      Contacts Phosphor Bronze Gold plated  
 Withstand Voltage 250V      Approval UL File No. E29179  
 Insulation Resistance 1000MR

335214

Description	Mftrs. List No.	Order Code	Price Each				
			1+	10+	50+	250+	500+
<b>Headers</b>							
8.0mm	714360164	486-477-130812	3.60	3.40	3.10	2.85	2.60
9.0mm	714361164	486-477-131012	3.60	3.40	3.10	2.85	2.60
10.0mm	714362164	486-477-132112	3.60	3.40	3.10	2.85	2.60
<b>Sockets</b>							
8/9/10 mm	714390164	486-477-133312	3.40	3.22	3.00	2.65	2.45
11/12 mm	714391164	486-477-134512	3.40	3.22	3.00	2.65	2.45
13 mm	714392164	486-477-135712	3.40	3.22	3.00	2.65	2.45
14/15 mm	714393164	486-477-136912	3.40	3.22	3.00	2.65	2.45

1.25/1.27mm Pitch

IL-Z series PCB to Wire Connectors

1.25mm Pitch



IL-Z connectors are designed for wire to board applications. The series includes board mounted headers (straight and RA) and wire terminated socket housings.

- 1.25 mm contact spacing
- 2 to 15 contacts
- SMT and through hole pin headers
- boxed pin header design to prevent mismatching
- Anti wicking feature

Current Rating	1A	Withstand Voltage	500V AC rms per minute
Insulation Resistance	100MΩ	Insulator	Nylon 6-6 UL94V-0
Operating Temperature	-40°C to 70°C	PCB Thickness	0.6mm to 1.2mm
Contact Resistance	≤20mΩ	Applicable Wire	32AWG to 28AWG
Pitch	1.25mm		

233425

No. Contacts	Mfrs. List No.	Order Code	1+	100+	250+
<b>Pin Header - SMT - Right Angle</b>					
2	IL-Z-2PL-SMTY	388-700512	0.23	0.21	0.187
3	IL-Z-3PL-SMTY	388-701712	0.25	0.23	0.21
4	IL-Z-4PL-SMTY	388-702912	0.28	0.26	0.24
5	IL-Z-5PL-SMTY	388-703012	0.30	0.28	0.25
6	IL-Z-6PL-SMTY	388-704212	0.31	0.29	0.26
7	IL-Z-7PL-SMTY	388-705412	0.32	0.30	0.28
8	IL-Z-8PL-SMTY	388-706612	0.33	0.31	0.29
9	IL-Z-9PL-SMTY	388-707812	0.34	0.33	0.30
10	IL-Z-10PL-SMTY	388-708012	0.36	0.34	0.31
11	IL-Z-11PL-SMTY	388-709112	0.37	0.35	0.32
12	IL-Z-12PL-SMTY	388-710812	0.38	0.37	0.34
13	IL-Z-13PL-SMTY	388-711012	0.40	0.38	0.36
14	IL-Z-14PL-SMTY	388-712112	0.41	0.40	0.37
15	IL-Z-15PL-SMTY	388-713312	0.42	0.41	0.38
<b>Pin Header - Through Hole - Straight</b>					
2	IL-Z-2P-S125T3-E	388-714512	0.104	0.104	0.083
3	IL-Z-3P-S125T3-E	388-715712	0.114	0.104	0.094
4	IL-Z-4P-S125T3-E	388-716912	0.125	0.114	0.104
5	IL-Z-5P-S125T3-E	388-717012	0.135	0.125	0.114
6	IL-Z-6P-S125T3-E	388-718212	0.146	0.135	0.125
7	IL-Z-7P-S125T3-E	388-719412	0.156	0.146	0.135
8	IL-Z-8P-S125T3-E	388-720012	0.177	0.156	0.146
9	IL-Z-9P-S125T3-E	388-721212	0.198	0.177	0.156
10	IL-Z-10P-S125T3-E	388-722412	0.22	0.198	0.177
11	IL-Z-11P-S125T3-E	388-723612	0.23	0.21	0.187
12	IL-Z-12P-S125T3-E	388-724812	0.24	0.22	0.198
13	IL-Z-13P-S125T3-E	388-725012	0.26	0.25	0.23
14	IL-Z-14P-S125T3-E	388-726112	0.27	0.25	0.23
15	IL-Z-15P-S125T3-E	388-727312	0.29	0.28	0.25
<b>Pin Header - Through Hole - RA</b>					
2	IL-Z-2P-S125L3-E	388-728512	0.104	0.104	0.083
3	IL-Z-3P-S125L3-E	388-729712	0.114	0.104	0.094
4	IL-Z-4P-S125L3-E	388-730312	0.125	0.114	0.104
5	IL-Z-5P-S125L3-E	388-731512	0.135	0.125	0.114
6	IL-Z-6P-S125L3-E	388-732712	0.146	0.135	0.125
7	IL-Z-7P-S125L3-E	388-733912	0.156	0.146	0.135
8	IL-Z-8P-S125L3-E	388-734012	0.177	0.156	0.146
9	IL-Z-9P-S125L3-E	388-735212	0.198	0.177	0.156
10	IL-Z-10P-S125L3-E	388-736412	0.22	0.198	0.177
11	IL-Z-11P-S125L3-E	388-737612	0.23	0.21	0.187
12	IL-Z-12P-S125L3-E	388-738812	0.24	0.22	0.198
13	IL-Z-13P-S125L3-E	388-739012	0.26	0.25	0.23
14	IL-Z-14P-S125L3-E	388-740612	0.27	0.25	0.23
15	IL-Z-15P-S125L3-E	388-741812	0.29	0.28	0.25
<b>Socket Housing</b>					
2	IL-Z-2S-S125C3	388-742012	0.073	0.062	0.062
3	IL-Z-3S-S125C3	388-743112	0.083	0.073	0.062
4	IL-Z-4S-S125C3	388-744312	0.083	0.083	0.073
5	IL-Z-5S-S125C3	388-745512	0.094	0.083	0.073
6	IL-Z-6S-S125C3	388-746712	0.104	0.094	0.083
7	IL-Z-7S-S125C3	388-747912	0.114	0.114	0.094
8	IL-Z-8S-S125C3	388-748012	0.125	0.114	0.094
9	IL-Z-9S-S125C3	388-749212	0.135	0.125	0.104
10	IL-Z-10S-S125C3	388-750912	0.146	0.125	0.104
11	IL-Z-11S-S125C3	388-751012	0.156	0.135	0.114
12	IL-Z-12S-S125C3	388-752212	0.177	0.156	0.135
13	IL-Z-13S-S125C3	388-753412	0.187	0.166	0.146
14	IL-Z-14S-S125C3	388-754612	0.21	0.198	0.166
15	IL-Z-15S-S125C3	388-755812	0.23	0.21	0.187

No. Contacts	Mfrs. List No.	Order Code	1+	100+	250+
<b>Tools</b>					
Crimp Tool	CT150-4C-ILZ	388-757112		463.36	
Ext Tool	ET-ILZ	388-759512		13.52	
<b>Price Per Pack (100)</b>					
<b>Contacts</b>					
28-32 AWG	IL-Z-C3-A-15000	388-756012	2.37	2.15	1.98

TX14/TX15 Board to Board Series

1.27mm Pitch



Leaf type contact design provides superior reliability and resistance to twisting

- 1.27mm contact spacing
- Through hole type for PCB/PCB application
- High density configuration for space saving
- First mate last break contacts
- 12mm stacking height
- Polarized to prevent mismatching

Current Rating	0.5A
Insulation Resistance	100MΩ
Operating Temperature	-40°C to 80°C
Contact Resistance	≤40mΩ
Pitch	1.27mm
Withstand Voltage	500V rms per minute

233419

No. Contacts	Mfrs. List No.	Order Code	1+	100+	250+
<b>Right Angle Receptacle</b>					
30	TX14-30R-LT-MH1	388-760112	1.62	1.48	1.35
40	TX14-40R-LT-MH1	388-761312	1.72	1.56	1.44
50	TX14-50R-LT-MH1	388-762512	2.18	1.99	1.82
60	TX14-60R-LT-MH1	388-763712	2.55	2.32	2.13
70	TX14-70R-LT-MH1	388-764912	3.05	2.77	2.54
80	TX14-80R-LT-MH1	388-765012	3.43	3.12	2.86
100	TX14-100R-LT-MH1	388-766212	3.80	3.45	3.16
120	TX14-120R-LT-MH1	388-767412	4.57	4.15	3.81
<b>Right Angle Plug</b>					
30	TX15-30P-LT-MH1	388-768612	1.62	1.48	1.35
40	TX15-40P-LT-MH1	388-769812	1.72	1.56	1.44
50	TX15-50P-LT-MH1	388-770412	2.18	1.99	1.82
60	TX15-60P-LT-MH1	388-771612	2.55	2.32	2.13
70	TX15-70P-LT-MH1	388-772812	3.05	2.77	2.54
80	TX15-80P-LT-MH1	388-773012	3.43	3.12	2.86
100	TX15-100P-LT-MH1	388-774112	3.80	3.45	3.16
120	TX15-120P-LT-MH1	388-775312	4.57	4.15	3.81
<b>Straight Receptacle</b>					
30	TX14-30R-6ST-MH1	388-776512	1.15	1.05	0.97
40	TX14-40R-6ST-MH1	388-777712	1.24	1.12	1.03
50	TX14-50R-6ST-MH1	388-778912	1.42	1.30	1.19
60	TX14-60R-6ST-MH1	388-779012	1.71	1.55	1.42
70	TX14-70R-6ST-MH1	388-780712	2.10	1.91	1.75
80	TX14-80R-6ST-MH1	388-781912	2.38	2.16	1.99
100	TX14-100R-6ST-MH1	388-782012	2.66	2.42	2.23
120	TX14-120R-6ST-MH1	388-783212	3.18	2.90	2.65
<b>Straight Plug</b>					
30	TX15-30P-6ST-MH1	388-784412	1.15	1.05	0.97
40	TX15-40P-6ST-MH1	388-785612	1.24	1.12	1.03
50	TX15-50P-6ST-MH1	388-786812	1.42	1.30	1.19
60	TX15-60P-6ST-MH1	388-787012	1.71	1.55	1.42
70	TX15-70P-6ST-MH1	388-788112	2.10	1.91	1.75
80	TX15-80P-6ST-MH1	388-789312	2.38	2.16	1.99
100	TX15-100P-6ST-MH1	388-790012	2.66	2.42	2.23
120	TX15-120P-6ST-MH1	388-791112	3.18	2.90	2.65



**2.00mm Pitch**

**2.0mm Datamate SMT / Crimp**



- Suitable for board to board, board to wire and wire to wire applications
- Four leaf beryllium copper contact suitable for high speed data transmission
- Fully shrouded contacts
- Polarised mouldings
- Latched versions for additional strain relief
- Location pegs on SMT connectors
- Crimp contacts are rear insertable and replaceable

<b>Specification</b>	
Current Rating	3.3A at 25°C
Working Voltage	120V dc or ac peak
Contact Resistance	25 mΩ max
Insulation Resistance	100MΩ min at 500V dc
Proof Voltage	360V dc or ac peak
Mating Cycles	500
Housing Mat	Thermoplastic GF UL94V-0
Contact Material	Female - Brass shell beryllium copper inner contact Male - Brass
Contact Plating	Gold
Large Bore	22 AWG BS3G210 Type A
Small Bore	28-24 AWG BS3G210 Type A

233270

No Ways	Mfrs. List No.	Order Code	1+	10+	50+
<b>Plug Vertical SMT</b>					
8	M80-6460805P	<b>390-663212</b>	2.34	2.11	1.90
10	M80-6461005P	<b>390-664412</b>	2.70	2.43	2.19
12	M80-6461205P	<b>390-665612</b>	3.09	2.78	2.50
14	M80-6461405P	<b>390-666812</b>	3.47	3.13	2.82
16	M80-6461605P	<b>390-667012</b>	3.81	3.42	3.08
18	M80-6461805P	<b>390-668112</b>	4.17	3.75	3.38
20	M80-6462005P	<b>390-669312</b>	4.58	4.12	3.71
<b>Plug Vertical SMT Locking Latch</b>					
8	M80-6470805P	<b>390-670012</b>	2.80	2.52	2.27
10	M80-6471005P	<b>390-671112</b>	3.16	2.84	2.56
12	M80-6471205P	<b>390-672312</b>	3.55	3.19	2.87
14	M80-6471405P	<b>390-673512</b>	3.93	3.54	3.18
16	M80-6471605P	<b>390-674712</b>	4.26	3.84	3.45
18	M80-6471805P	<b>390-675912</b>	4.63	4.16	3.74
20	M80-6472005P	<b>390-676012</b>	5.03	4.53	4.08
<b>Plug Vertical SMT Friction Latch</b>					
8	M80-6480805P	<b>390-677212</b>	2.86	2.57	2.32
10	M80-6481005P	<b>390-678412</b>	3.21	2.89	2.60
12	M80-6481205P	<b>390-679612</b>	3.60	3.23	2.91
14	M80-6481405P	<b>390-680212</b>	3.98	3.59	3.22
16	M80-6481605P	<b>390-681412</b>	4.32	3.89	3.49
18	M80-6481805P	<b>390-682612</b>	4.68	4.21	3.80
20	M80-6482005P	<b>390-683812</b>	5.09	4.58	4.12
<b>Socket Vertical SMT</b>					
8	M80-6970805P	<b>390-684012</b>	4.15	3.74	3.37
10	M80-6971005P	<b>390-685112</b>	4.98	4.49	4.04
12	M80-6971205P	<b>390-686312</b>	5.81	5.24	4.71
14	M80-6971405P	<b>390-687512</b>	6.65	5.98	5.39
16	M80-6971605P	<b>390-688712</b>	7.51	6.75	6.08
18	M80-6971805P	<b>390-689912</b>	8.35	7.52	6.76
20	M80-6972005P	<b>390-690512</b>	9.18	8.27	7.44
<b>Male Crimp Plugs</b>					
<b>Plug Crimp Small Bore Locking Latch</b>					
8	M80-8120805	<b>390-691712</b>	2.27	2.05	1.84
10	M80-8121005	<b>390-692912</b>	2.68	2.41	2.17
12	M80-8121205	<b>390-693012</b>	3.09	2.79	2.51

No Ways	Mfrs. List No.	Order Code	1+	10+	50+
<b>Plug Crimp Large Bore Locking Latch</b>					
8	M80-8130805	<b>390-694212</b>	1.78	1.60	1.44
10	M80-8131005	<b>390-695412</b>	2.05	1.84	1.66
12	M80-8131205	<b>390-696612</b>	2.33	2.09	1.88
<b>Plug Crimp Small Bore Friction Latch</b>					
8	M80-8160805	<b>390-697812</b>	2.33	2.09	1.88
10	M80-8161005	<b>390-698012</b>	2.74	2.46	2.22
12	M80-8161205	<b>390-699112</b>	3.15	2.83	2.55
<b>Plug Crimp Large Bore Friction Latch</b>					
8	M80-8170805	<b>390-700412</b>	1.78	1.60	1.44
10	M80-8171005	<b>390-701612</b>	2.05	1.84	1.66
12	M80-8171205	<b>390-702812</b>	2.33	2.09	1.88
<b>Crimps</b>					
Large Bore	M80-0400005	<b>390-703012</b>	0.135	0.125	0.114
Small Bore	M80-0410005	<b>390-704112</b>	0.21	0.187	0.166
<b>Tooling</b>					
Crimp Tool	M22520-02-01	<b>105-83712</b>	233.66		
Positioner	T5747F	<b>495-94312</b>	65.00		
Ins/Ext Tool	Z80-250	<b>390-705312</b>	97.76		
Separator	T5746F	<b>495-96712</b>	20.00		

**2.00mm Pitch Headers - SMT**

**Pin Headers - 90° Gold Plated, SIL and DIL**



Pitch = 2mm

Mfrs. List No. Single row=M22-533xx05, Double row=M22-543xx05, where xx=No. of ways

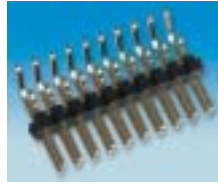
Contact rating	1A	Housings	Nylon 6T UL94V-0
Contact resistance	20mΩ	Contacts	Phosphor Bronze
Proof voltage	500V rms	Plating	Gold
Insulation resistance	5000MΩ		
Temperature range	-40°C to +105°C		

335246

No. of Ways	Order Code	10+	50+	100+	500+	1K+
<b>Single Row</b>						
<b>Order Multiple = 10</b>						
3	<b>486-104812</b>	0.21	0.19	0.17	0.15	0.14
4	<b>486-105012</b>	0.28	0.25	0.23	0.20	0.19
5	<b>486-106112</b>	0.35	0.32	0.29	0.25	0.24
6	<b>486-107312</b>	0.42	0.38	0.35	0.31	0.29
8	<b>486-108512</b>	0.56	0.51	0.46	0.41	0.38
10	<b>486-109712</b>	0.70	0.63	0.57	0.51	0.48
12	<b>486-110312</b>	0.84	0.76	0.69	0.61	0.57
<b>Order Multiple = 1</b>						
20	<b>486-111512</b>	1.40	1.26	1.15	1.02	0.96
25	<b>486-112712</b>	1.76	1.58	1.44	1.27	1.20
<b>Double Row</b>						
<b>Order Multiple = 10</b>						
3+3	<b>486-113912</b>	0.42	0.38	0.34	0.30	0.28
4+4	<b>486-114012</b>	0.56	0.50	0.46	0.41	0.38
5+5	<b>486-115212</b>	0.70	0.63	0.57	0.51	0.48
6+6	<b>486-116412</b>	0.84	0.76	0.69	0.61	0.58
<b>Order Multiple = 1</b>						
8+8	<b>486-117612</b>	1.12	1.01	0.92	0.81	0.76
10+10	<b>486-118812</b>	1.40	1.26	1.15	1.02	0.96
12+12	<b>486-119012</b>	1.69	1.52	1.38	1.23	1.15
20+20	<b>486-120612</b>	2.81	2.53	2.30	2.04	1.92
25+25	<b>486-121812</b>	3.51	3.16	2.87	2.55	2.39

2.54mm Pitch Headers -SMT

Pin Headers - Gold Plated, 90°



Pitch = 2.54mm



Mfrs. List Nos.:  
 Single row = M20-890xx05,  
 Double row = M20-891xx05,  
 where xx = No. of ways

Contact rating 3A  
 Contact resistance 20mΩ  
 Proof voltage 500V rms  
 Insulation resistance 5000MΩ  
 Temperature range -40°C to +105°C

Housings Nylon 6T UL94V-0  
 Contacts Brass  
 Plating Gold

335247

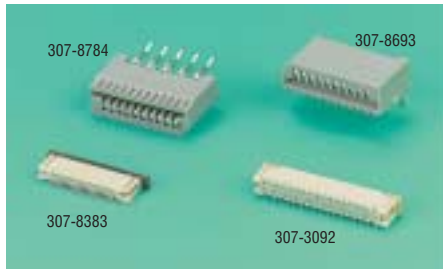
No. of Ways	Order Code	Price Each				
		10+	50+	100+	250+	500+
<b>Single Row</b>						
<b>Order Multiple = 10</b>						
3	486-122012	0.14	0.13	0.12	0.10	0.10
4	486-123112	0.19	0.17	0.16	0.14	0.13
5	486-124312	0.24	0.22	0.20	0.17	0.16
6	486-125512	0.29	0.26	0.24	0.21	0.20
8	486-126712	0.38	0.35	0.31	0.28	0.26
10	486-127912	0.48	0.43	0.39	0.35	0.33
12	486-128012	0.58	0.52	0.47	0.42	0.39
<b>Order Multiple = 1</b>						
20	486-129212	0.96	0.86	0.79	0.70	0.65
25	486-130912	1.20	1.08	0.98	0.87	0.82
<b>Double Row</b>						
<b>Order Multiple = 10</b>						
3+3	486-131012	0.35	0.31	0.29	0.25	0.24
4+4	486-132212	0.47	0.42	0.38	0.34	0.32
5+5	486-133412	0.58	0.52	0.48	0.42	0.40
6+6	486-134612	0.70	0.63	0.57	0.51	0.48
<b>Order Multiple = 1</b>						
8+8	486-135812	0.93	0.84	0.76	0.68	0.64
10+10	486-136012	1.16	1.05	0.95	0.85	0.79
12+12	486-137112	1.40	1.26	1.14	1.01	0.95
20+20	486-138312	2.33	2.10	1.91	1.69	1.59
25+25	486-139512	2.91	2.62	2.38	2.11	1.99

16

Flat Flexible Cable and Printed Circuit Connectors

FFC/FCP Connectors

0.5mm/1.0mm/1.25mm/2.54mm Pitch



- Top and bottom contact options
- Accommodates 0.3mm to 0.1mm FFC/FPC
- ZIF versions with secondary actuator
- Gas tight contact interface to the circuit

Contacts Phosphor Bronze Alloy  
 Plating Tin-Lead

Contact resistance 20mΩ max  
 Temperature range -20°C to +80°C

CP400

Pack Quantity = 1							
No. of Mfrs.	Ways	List No.	Order Code	Price Each			
				1+	25+	50+	100+
<b>0.5mm ZIF R/A top contact SMT</b>							
10	52745-1090	307-830912	1.16	1.03	0.94	0.84	0.78
14	52745-1490	307-831012	1.41	1.26	1.13	1.03	0.95
16	52745-1690	307-832212	1.55	1.37	1.24	1.12	1.03
20	52745-2090	307-833412	1.80	1.60	1.44	1.31	1.20
30	52435-3091	307-834612	2.85	2.54	2.28	2.08	1.90
<b>0.5mm ZIF R/A bottom contact SMT</b>							
10	52746-1090	307-835812	1.16	1.03	0.94	0.84	0.78
14	52746-1490	307-836012	1.41	1.26	1.13	1.03	0.95
16	52746-1690	307-837112	1.55	1.37	1.24	1.12	1.03
20	52746-2090	307-838312	1.80	1.60	1.44	1.31	1.20
30	52437-3091	307-839512	3.00	2.66	2.40	2.18	2.00

Pack Quantity = 1							
No. of Mfrs.	Ways	List No.	Order Code	Price Each			
				1+	25+	50+	100+
<b>0.5mm ZIF straight SMT</b>							
10	52559-1092	307-840112	1.19	1.06	0.95	0.86	0.79
20	52559-2090	307-841312	1.93	1.72	1.54	1.40	1.29
30	52559-3092	307-842512	2.67	2.38	2.14	1.94	1.79
<b>1.0mm ZIF R/A bottom contact SMT</b>							
10	52271-1090	307-843712	0.69	0.60	0.54	0.50	0.46
14	52271-1490	307-844912	0.81	0.72	0.64	0.59	0.54
16	52271-1690	307-845012	0.87	0.77	0.70	0.63	0.58
18	52271-1890	392-813512	0.92	0.84	0.75	0.68	0.62
20	52271-2090	307-846212	1.00	0.88	0.80	0.73	0.67
26	52271-2690	307-847412	1.20	1.06	0.96	0.86	0.79
<b>1.0mm ZIF straight SMT</b>							
10	52610-1090	307-848612	1.22	1.08	0.98	0.88	0.81
18	52610-1890	392-816012	1.60	1.42	1.28	1.15	1.06
20	52610-2090	307-849812	1.98	1.76	1.58	1.44	1.31
26	52610-2690	307-850412	2.42	2.15	1.93	1.76	1.61
30	52610-3090	307-851612	3.83	3.40	3.07	2.79	2.55
<b>1.25mm ZIF R/A through hole</b>							
4	39-51-3043	307-852812	0.31	0.28	0.25	0.23	0.21
6	39-51-3063	307-853012	0.50	0.45	0.40	0.36	0.33
8	39-51-3083	307-854112	0.53	0.47	0.43	0.38	0.35
10	39-51-3103	307-855312	0.60	0.54	0.49	0.44	0.41
14	39-51-3143	307-856512	0.77	0.69	0.61	0.56	0.51
16	39-51-3163	307-857712	0.96	0.85	0.77	0.70	0.63
20	39-51-3203	307-858912	1.02	0.90	0.82	0.74	0.68
30	39-51-3303	307-859012	1.46	1.29	1.16	1.06	0.97
<b>1.25mm ZIF straight through hole</b>							
4	39-51-3044	307-860712	0.28	0.25	0.22	0.21	0.187
6	39-51-3064	307-861912	0.36	0.32	0.29	0.26	0.24
10	39-51-3084	307-862012	0.45	0.40	0.35	0.32	0.30
10	39-51-3104	307-863212	0.53	0.48	0.43	0.38	0.35
14	39-51-3144	307-864412	0.70	0.62	0.56	0.51	0.47
16	39-51-3164	307-865612	0.79	0.70	0.62	0.57	0.52
<b>1.25mm Non-ZIF R/A</b>							
4	52044-0445	307-866812	0.27	0.24	0.22	0.198	0.177
6	52044-0645	307-867012	0.32	0.28	0.26	0.23	0.22
8	52044-0845	307-868112	0.37	0.33	0.29	0.27	0.25
10	52044-1045	307-869312	0.42	0.37	0.33	0.30	0.28
14	52044-1445	307-870012	0.52	0.47	0.42	0.38	0.34
16	52044-1645	307-871112	0.57	0.51	0.46	0.42	0.38
20	52044-2045	307-872312	0.68	0.60	0.54	0.49	0.45
30	52044-3045	307-873512	0.93	0.82	0.74	0.68	0.61
40	52044-4045	307-874712	1.97	1.75	1.57	1.42	1.31
<b>1.25mm Non-ZIF straight</b>							
4	52045-0445	307-875912	0.25	0.22	0.198	0.177	0.166
6	52045-0645	307-876012	0.25	0.22	0.198	0.177	0.166
8	52045-0845	307-877212	0.53	0.48	0.43	0.38	0.35
10	52045-1045	307-878412	0.187	0.166	0.146	0.135	0.125
14	52045-1445	307-879612	0.28	0.25	0.23	0.21	0.187
16	52045-1645	307-880212	0.52	0.47	0.42	0.38	0.34
20	52045-2045	307-881412	0.61	0.54	0.49	0.45	0.41
30	52045-3045	307-882612	0.69	0.61	0.55	0.50	0.46
40	52045-4045	307-883812	0.87	0.78	0.70	0.63	0.58

\*Terms and conditions apply

Order before 8pm for FREE next day delivery\*





**Flat Flexible Cable**  
0.5mm, 1.0mm and 1.25 Pitch



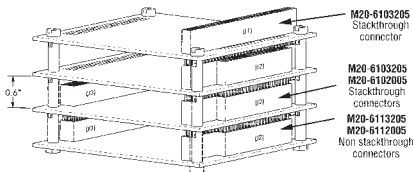
- Flat flexible cable for use with FFC/ FCP range of connectors
- Reinforcing tape bonded to underside for cable to ensure easy and accurate insertion into the connector
- Overall length 210mm

Insulation Material Polyester (Flame Resistant) Max operating temperature 80°C CP415

No. of Ways	Order Code	Price Each				
		1+	25+	50+	100+	250+
<b>0.5mm Pitch</b>						
10	329-500012	1.24	1.12	1.06	1.00	0.97
14	329-501112	1.10	0.98	0.92	0.86	0.83
16	329-502312	1.25	1.17	1.09	1.05	0.99
20	329-503512	1.37	1.22	1.18	1.14	1.08
24	335-264012	1.52	1.37	1.27	1.16	1.09
30	329-504712	1.75	1.61	1.53	1.45	1.37
35	335-265112	1.84	1.70	1.63	1.47	1.40
40	335-266312	2.09	1.82	1.67	1.54	1.47
45	335-267512	2.14	1.87	1.72	1.58	1.53
50	335-268712	2.19	1.91	1.77	1.63	1.58
<b>mm1mm Pitch</b>						
10	329-505912	0.56	0.51	0.49	0.43	0.39
14	329-506012	0.61	0.56	0.54	0.52	0.49
16	329-507212	0.68	0.63	0.61	0.59	0.57
20	329-508412	0.80	0.74	0.72	0.70	0.68
26	329-509612	0.97	0.92	0.90	0.87	0.83
30	329-510212	1.26	1.21	1.18	1.11	1.05
<b>mm1.25mm Pitch</b>						
4	329-511412	0.39	0.36	0.35	0.33	0.31
6	329-512612	0.41	0.39	0.38	0.36	0.34
8	329-513812	0.45	0.41	0.39	0.37	0.35
10	329-514012	0.48	0.44	0.43	0.41	0.38
14	329-515112	0.56	0.50	0.48	0.45	0.42
16	329-516312	0.61	0.55	0.53	0.50	0.47
20	329-517512	0.96	0.88	0.86	0.81	0.77
30	329-518712	1.22	1.10	1.06	1.01	0.95
40	329-570912	1.92	1.75	1.71	1.62	1.54

**PC/104 Connectors**

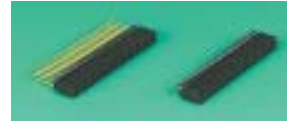
**Bus Connectors**



- PC/104 Plus is an industry standard for PC applications
- Embedded systems designers can reduce costs risks and lead times
- Dedicated and embedded PC architecture is an accepted platform for:
  - Vending Machines
  - Test equipment
  - Medical equipment
  - Communication devices
  - Laboratory instruments

PC/104 and the PC/104 logo are trademarks of the PC/104 consortium. CP390

**Bus Connectors**



- 32+32 way supports an 8-bit system
- 20+20 way combined with a 32+32 way supports a 16-bit system
- 4 x 30, 120 way available, 2.00mm pitch

- Press-Fit versions eliminate costly hand soldering and allow board rework

Current rating	1A	Housings	Glass Filled Polyester UL94V-0
Voltage proof	1000V ac	Contacts	Phosphor Bronze
Contact Resistance	10mΩ max	Finish	Gold Flash Over Nickel
Insulation resistance	5000 MΩ min.	Average insertion force	103.2g (1N) per contact
Temperature range	-55°C to +105°C	Average withdrawal force	71.5g (0.7N) per contact

PC/104 and the PC/104 logo are trademarks of the PC/104 consortium.

335250

No. of Ways	Mftrs. List No.	Order Code	Price Each		
			1+	10+	100+
<b>Stackthrough</b>					
40	M20F6102005	359-90712	2.02	1.80	1.63
64	M20F6103205	359-95612	2.94	2.61	2.37
<b>Stackthrough Press-Fit</b>					
40	M20-6152005	NEW 486-140112	7.34	6.61	6.01
64	M20-6153205	NEW 486-141312	8.01	7.21	6.55
120	M22-6053005	NEW 486-144912	20.87	18.78	17.07
<b>Non-Stackthrough</b>					
40	M20F6112005	359-97012	1.91	1.70	1.54
64	M20F6113205	359-99312	2.50	2.23	2.02
<b>Non-Stackthrough Press-Fit</b>					
40	M20-6162005	NEW 486-142512	4.32	3.88	3.53
64	M20-6163205	NEW 486-143712	6.47	5.83	5.30
120	M22-6063005	NEW 486-145012	18.49	16.64	15.13

**PCB Connector System**

**Stocko Connector System**

RFK2 Series



- 2.5mm pitch single in line, through hole vertical PCB Headers and Sockets
- A Rugged IDC or Discrete wire connector system.
- Latching mechanism gives secure "lock in" between header and socket and prevents backout occurring

Maximum Voltage	1500V ac	Housing	PC - VO
Working Temperature Range	-20°C to 120°C	Pitch	2.5mm
Contact plating	Tin	Wire size	24AWG Stranded or solid conductor
Contact Material	Phosphor Bronze		

333935

No of Ways	Mftrs. List No.	Order Code	Price Per Pack of 10			
			1+	10+	50+	100+
<b>2.5mm Socket</b>						
2	MKFL13262-6-0-202	439-786112	2.92	2.76	2.60	2.43
3	MKFL13263-6-0-303	439-787312	2.66	2.52	2.37	2.22
4	MKFL13264-6-0-404	439-788512	3.40	3.21	3.02	2.83
5	MKFL13265-6-0-505	439-789712	3.64	3.43	3.23	3.03
6	MKFL13266-6-0-606	439-790312	4.20	3.96	3.73	3.50
7	MKFL13267-6-0-707	439-791512	4.58	4.32	4.07	3.82
8	MKFL13268-6-0-808	439-792712	4.78	4.52	4.25	3.98
9	MKFL13269-6-0-909	439-793912	5.04	4.76	4.48	4.20
10	MKFL13270-6-0-1010	439-794012	5.62	5.30	4.99	4.68
<b>PCB Header</b>						
2	MKS1851-6-0-202	439-795212	1.56	1.48	1.39	1.30
3	MKS1853-6-0-303	439-796412	1.50	1.41	1.33	1.25
4	MKS1854-6-0-404	439-797612	1.62	1.53	1.44	1.35
5	MKS1855-6-0-505	439-798812	1.78	1.68	1.58	1.48
6	MKS1856-6-0-606	439-799012	1.98	1.87	1.76	1.65
7	MKS1857-6-0-707	439-800212	2.32	2.19	2.06	1.93
8	MKS1858-6-0-808	439-801412	2.58	2.43	2.29	2.15
9	MKS1859-6-0-909	439-802612	2.66	2.52	2.37	2.22
10	MKS1860-6-0-1010	439-803812	2.74	2.58	2.43	2.28

PCB Connector System - continued

Card Edge Socket



- Card edge connector eliminates the need for a PCB mounted header
- 2.5mm pitch single in line, through hole vertical PCB Headers and Sockets
- A Rugged IDC or Discrete wire connector system.



Maximum Voltage 1500V ac  
 Working Temperature Range -20°C to 120°C  
 Contact plating Tin  
 Contact Material Phosphor Bronze

Housing PC - VO  
 Pitch 2.5mm  
 Wire size 24AWG Stranded or solid conductor

333936

10 Per Pack		Price per Pack				
No. Poles	Mfrs. List No.	Order Code	1+	10+	50+	100+
3	MKFL13473-6-0-303	439-804012	3.38	3.20	3.01	2.82
4	MKFL13474-6-0-404	439-805112	3.88	3.67	3.45	3.23
5	MKFL13475-6-0-505	439-806312	4.20	3.96	3.73	3.50
6	MKFL13476-6-0-606	439-807512	4.42	4.18	3.93	3.68
7	MKFL13477-6-0-707	439-808712	4.78	4.52	4.25	3.98
8	MKFL13478-6-0-808	439-809912	5.08	4.79	4.51	4.23
10	MKFL13480-6-0-1010	439-810512	5.70	5.39	5.07	4.75

Shorting Link

Shorting Link, Surface Mount



- Designed to link PCB tracks where through hole links are not possible
- Easy Placement
- High current
- Small footprint



L = 12.3, W = 1.8 (2.35 including standoffs), H = 1.8

Material Copper Alloy  
 Finish Tin/Lead Plated

335251

100 per Pack	Price Per Pack			
Order Code	1+	10+	50+	100+
486-147412	6.59	5.93	5.39	4.78

Test Point

Surface Mount



- Ideal for use with most standard probes, clips and hooks
- Suitable for automatic or manual test
- Improved finished goods quality
- Strong and durable



Material Copper Alloy  
 Finish Tin/Lead Plated

L = 3.25, W = 2.05, H = 2

335252

100 per Pack	Price Per Pack			
Order Code	1+	10+	50+	100+
486-146212	6.57	5.91	5.37	4.77

PCB Terminal Blocks

Rising Clamp Interlocking 16A



5mm Pitch



2.5mm<sup>2</sup> cable entry

H=16, W=9.5, Pitch=5, Pin dia=1.1

- Interlocking PCB terminal block with rising cable clamp design
- Features good cable retention and repetitive operation
- 1mm test probe facility

Maximum voltage 250V ac  
 Current rating 16A  
 Temperature range -40°C to +125°C  
 Rising cable clamp Steel zinc plated

Clamping screw M3 steel zinc plated  
 Housing Polyamide UL94V-0  
 Colour Light Grey  
 Maximum wire size 2.5mm<sup>2</sup>

Mfrs. List No. 819/x, where x= No. of ways

209401

Order Multiple = 5		Price Each					
No of Ways	Length mm	Order Code	5+	50+	100+	500+	1K+
2	10	151-79412	0.38	0.31	0.26	0.22	0.21
3	15	151-79512	0.55	0.47	0.40	0.34	0.31
4	20.5	151-79612	0.74	0.62	0.52	0.44	0.40
6	30.5	151-79712	1.09	0.94	0.80	0.64	0.59
8	40.9	469-86512	1.56	1.32	1.11	0.94	0.84
10	50.9	469-87712	1.96	1.67	1.40	1.18	1.06
12	61.5	151-79812	2.18	1.84	1.53	1.29	1.18

IEC Inlets

Power Entry Module



6200 Series - Medical Grade



- Screw mounting, 2 x M3
- Shock safe 1 pole fuseholder, 5 x 20mm
- Plug removal necessary for fuse link replacement
- Protection Class 1, Pin Temp 70°C
- Complies to IEC 60320-1 & EN 6032-1 C14/C15
- 4.8 x 0.8mm or 6.3 x 0.8mm terminals
- Approvals. SEV, VDE, SEMKO, UL, CSA, OVE

Panel cut out 27.5mm x 30.5mm  
 Depth behind front panel 23.5mm

Contact rating 10A  
 Voltage rating 250V ac  
 Contact resistance 5mΩ

Contact rating 10A  
 Temperature range -25°C To + 70°C  
 Housing material

236892

Mfrs.		Price Each				
List No.	Terminals	Order Code	1+	10+	50+	100+
6200.2200	4.8 x 0.8	307-689112	1.64	1.09	0.92	0.78
6200.2300	6.3 x 0.8	307-690812	1.64	1.09	0.92	0.78

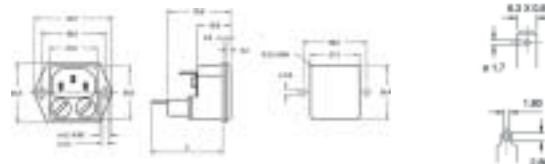
Power Entry Module



Series 4707



- Panel Mount : Screw on version, Front or rear mounting
- Appliance inlet, Fuse holder takes fuse size 5 x20 mm



Voltage Rating 250V  
 Current Rating 10A  
 Terminals Solder or quick connect 6.35x0.8  
 Fuseholder 1- or 2-pole, Shocksafe category PC2

333928

Description		Price Each				
Mfrs list No.	Order Code	1+	10+	25+	50+	
1pol. Quick connect	4707.1000	472-499912	6.85	6.19	5.65	5.65
1pol. Solder joint	4707.1300	472-500112	6.85	6.19	5.65	5.65
2pol. Quick connect	4707.2000	443-084012	6.85	6.19	5.65	5.65
2pol. Solder joint	4707.2300	472-502512	6.85	6.19	5.65	5.65

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\*Terms and conditions apply

Order before 8pm for FREE next day delivery\*

