



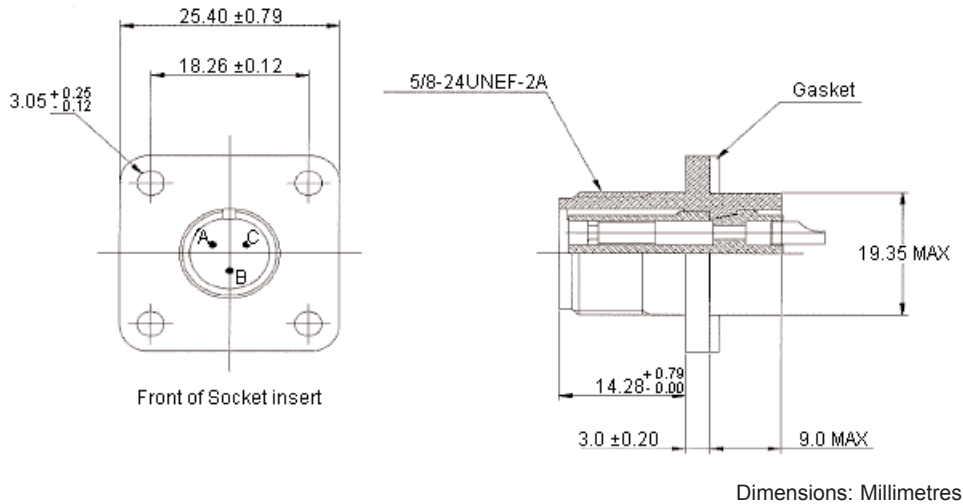
PART NO.

M90-3102R1 - Series

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Malli	20/03/10	Jagan	20/03/10	Farnell	05/04/10

M90-3102R10SL-3S



Specifications:

Material:

Shell : Aluminum alloy
 Insulator : Polychloroprene.
 Grommet : Polychloroprene.
 Contact : Copper alloy

Finish:

Shell : Zinc with black chromate coating
 Contact : Silver

Electrical:

Current rating : 13 Amps
 Voltage rating : 500V ac, 700V dc
 Insulation resistance : 5000MΩ minimum

Environmental:

Temperature range : 55°C to 125°C
 Vibration : 10 to 500Hz (10g) per MIL-STD-1344, method 2005
 Salt spray : 48 hours, 5% salt solution, per MIL-STD-1344 method 1001
 Humidity : 95 ±3%, 71 ±2°C, 14 days

Mechanical:

Coupling : Threaded
 Polarisation : Single key/Keyway
 Contact type : Solder
 Contact arrangement : 3 contacts
 Durability : 500 operations

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CHECKED BY:	DATE:
Jagan	20/03/10
APPROVED BY:	DATE:
Farnell	05/04/10

DRAWING TITLE:			
Panel Mount Receptacle - 3 Socket Contacts			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002528	3102R-S-DWG	A
SCALE: NTS		U.O.M.: mm	SHEET: 1 OF 5



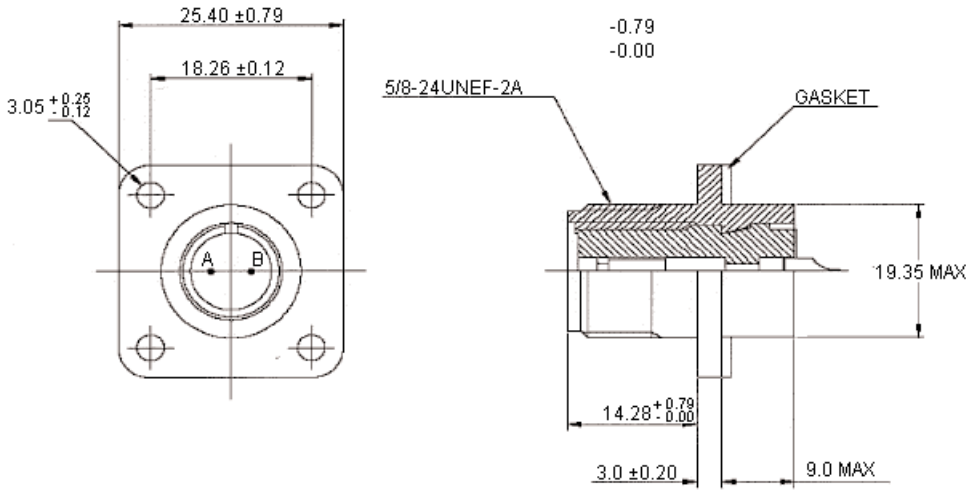
PART NO.

M90-3102R1 - Series

REVISIONS

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-	A	RELEASED	Malli	20/03/10	Jagan	20/03/10	Farnell	05/04/10

M90-3102R10SL-4S



Dimensions: Millimetres

Specifications:

Material:

Shell : Aluminum alloy
 Insulator : Polychloroprene.
 Grommet : Polychloroprene.
 Contact : Copper alloy

Finish:

Shell : Zinc with black chromtate coating
 Contact : Silver

Electrical:

Current rating : 13 Amps
 Voltage rating : 500V ac, 700V dc
 Insulation resistance : 5000MΩ minimum

Environmental:

Temperature range : 55°C to 125°C
 Vibration : 10 to 500Hz (10g) per MIL-STD-1344, method 2005
 Salt spray : 48 hours, 5% salt solution, per MIL-STD-1344 method 1001
 Humidity : 95 ±3%, 71 ±2°C, 14 days

Mechanical:

Coupling : Threaded
 Polarisation : Single key/Keyway
 Contact type : Solder
 Contact arrangement : 3 contacts
 Durability : 500 operations

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APPROVED BY:	DATE:
Farnell	05/04/10

DRAWING TITLE:

Panel Mount Receptacle - 2 Socket Contacts

SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002528	3102R-S-DWG	A
SCALE: NTS	U.O.M.: mm	SHEET: 2 OF 5	



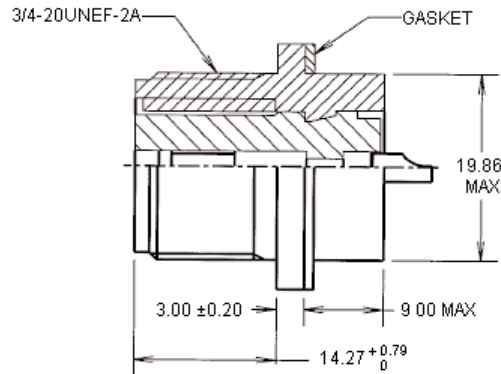
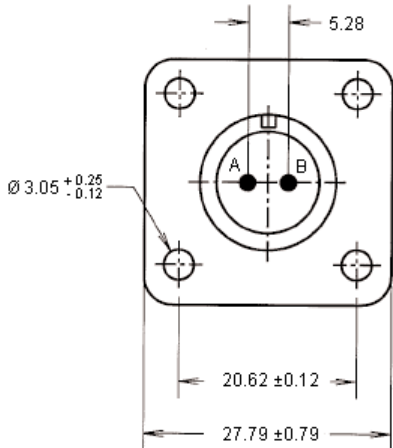
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M90-3102R1 - Series

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-	A	RELEASED	Malli	20/03/10	Jagan	20/03/10	Farnell	05/04/10

M90-3102R12S-3S



Dimensions: Millimetres

Specifications:

Material:

Shell : Aluminum alloy
 Insulator : Nitrile butadiene rubber
 Grommet : Nitrile butadiene rubber
 Contact : Copper alloy

Finish:

Shell : Zinc with black chromate coating
 Contact : Silver

Electrical:

Current rating : 13 Amps
 Voltage rating : 500V ac, 700V dc
 Insulation resistance : 5000MΩ minimum

Environmental:

Temperature range : 55°C to 125°C
 Vibration : 10 to 500Hz (10g) per MIL-STD-1344, method 2005
 Salt spray : 48 hours, 5% salt solution, per MIL-STD-1344 method 1001
 Humidity : 95 ±3%, 71 ±2°C, 14 days

Mechanical:

Coupling : Threaded
 Polarisation : Single key/Keyway
 Contact type : Solder
 Contact arrangement : 2 contacts
 Durability : 500 cycles

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Farnell	05/04/10

DRAWING TITLE:

Panel Mount Receptacle - 2 Socket Contacts

SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002528	3102R-S-DWG	A
SCALE: NTS	U.O.M.: mm	SHEET: 3 OF 5	



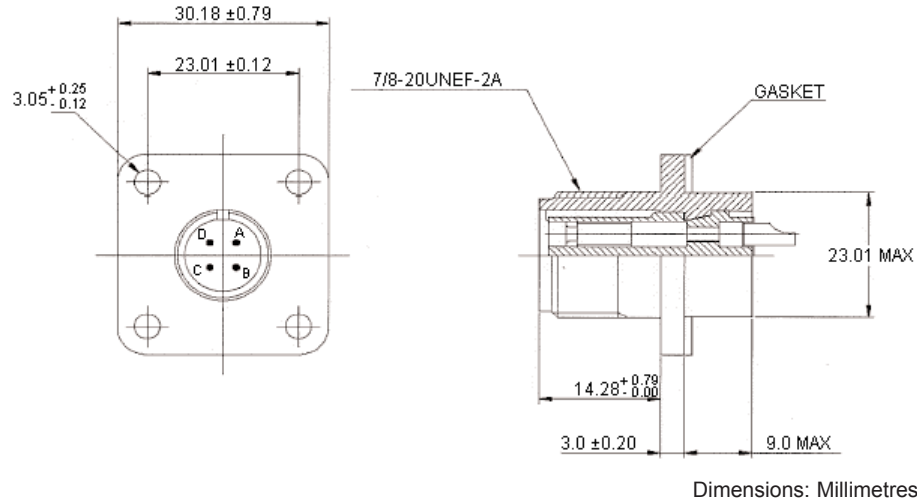
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M90-3102R1 - Series

REVISIONS

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-	A	RELEASED	Malli	20/03/10	Jagan	20/03/10	Farnell	05/04/10

M90-3102R14S-2S



Specifications:

Material:

Shell : Aluminum alloy
 Insulator : Polychloroprene.
 Grommet : Polychloroprene.
 Contact : Copper alloy

Finish:

Shell : Zinc with black chromtate coating
 Contact : Silver

Electrical:

Current rating : 13 Amps
 Voltage rating : 500V ac, 700V dc
 Insulation resistance : 5000MΩ minimum

Environmental:

Temperature range : 55°C to 125°C
 Vibration : 10 to 500Hz (10g) per MIL-STD-1344, method 2005
 Salt spray : 48 hours, 5% salt solution, per MIL-STD-1344 method 1001
 Humidity : 95 ±3%, 71 ±2°C, 14 days

Mechanical:

Coupling : Threaded
 Polarisation : Single key/Keyway
 Contact type : Solder
 Contact arrangement : 3 contacts
 Durability : 500 operations

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Jagan	20/03/10
APPROVED BY:	DATE:
Farnell	05/04/10

DRAWING TITLE:			
Panel Mount Receptacle - 4 Socket Contacts			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002528	3102R-S-DWG	A
SCALE: NTS		U.O.M.: mm	SHEET: 4 OF 5



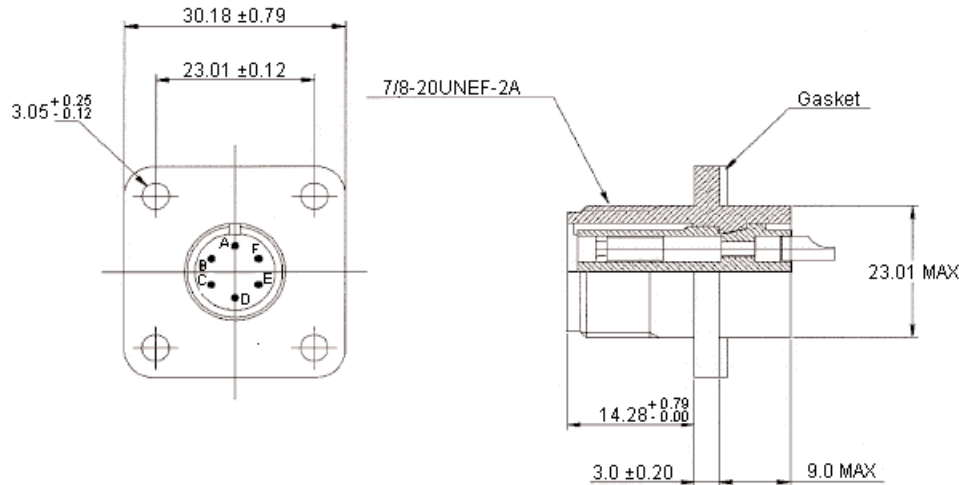
PART NO.

M90-3102R1 - Series

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Malli	20/03/10	Jagan	20/03/10	Farnell	05/04/10

M90-3102R14S-6S



Dimensions: Millimetres

Specifications:

Material:

Shell : Aluminum alloy
 Insulator : Polychloroprene.
 Grommet : Polychloroprene.
 Contact : Copper alloy

Finish:

Shell : Zinc with black chromtate coating
 Contact : Silver

Electrical:

Current rating : 13 Amps
 Voltage rating : 500V ac, 700V dc
 Insulation resistance : 5000MΩ minimum

Environmental:

Temperature range : 55°C to 125°C
 Vibration : 10 to 500Hz (10g) per MIL-STD-1344, method 2005
 Salt spray : 48 hours, 5% salt solution, per MIL-STD-1344 method 1001
 Humidity : 95 ±3%, 71 ±2°C, 14 days

Mechanical:

Coupling : Threaded
 Polarisation : Single key/Keyway
 Contact type : Solder
 Contact arrangement : 3 contacts
 Durability : 500 operations

Part Number Table

Description	Part Number
Socket, Chassis, 3 Way	M90-3102R10SL-3S
Socket, Chassis, 2 Way	M90-3102R10SL-4S
Socket, Chassis, 2 Way	M90-3102R12S-3S
Socket, Chassis, 4 Way	M90-3102R14S-2S
Socket, Chassis, 6 Way	M90-3102R14S-6S

<http://www.farnell.com>

<http://www.newark.com>

<http://www.cpc.co.uk>

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APPROVED BY:	DATE:
Farnell	05/04/10

DRAWING TITLE:

Panel Mount Receptacle - 6 Socket Contacts

SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002528	3102R-S-DWG	A
SCALE: NTS		U.O.M.: mm	SHEET: 5 OF 5