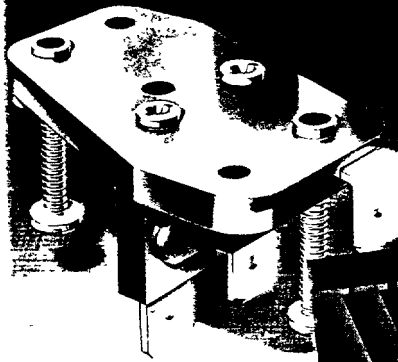


# WINSLOW

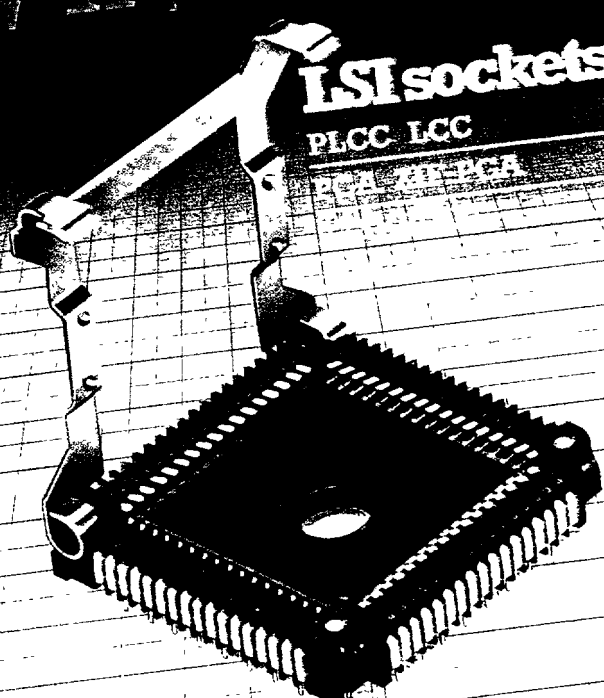
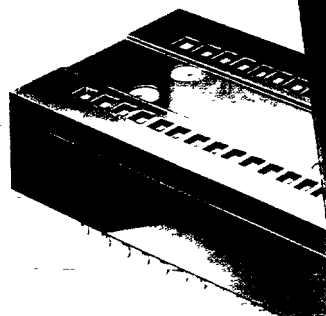
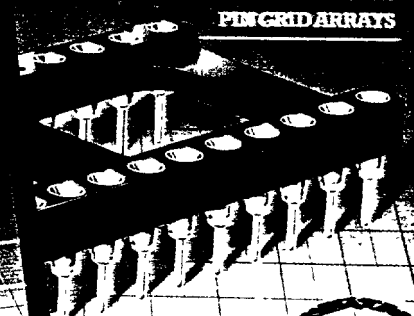
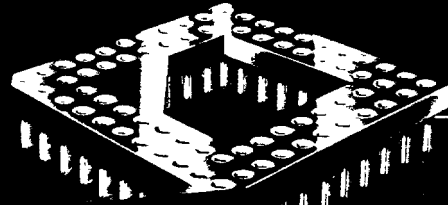
## special purpose sockets

SINGLE IN-LINE/  
ZIF/POWER/HEADERS/  
CHASSIS/CONNECTORS/  
CIRCULAR/WIRE WRAP/  
HIGH PROFILE DIL



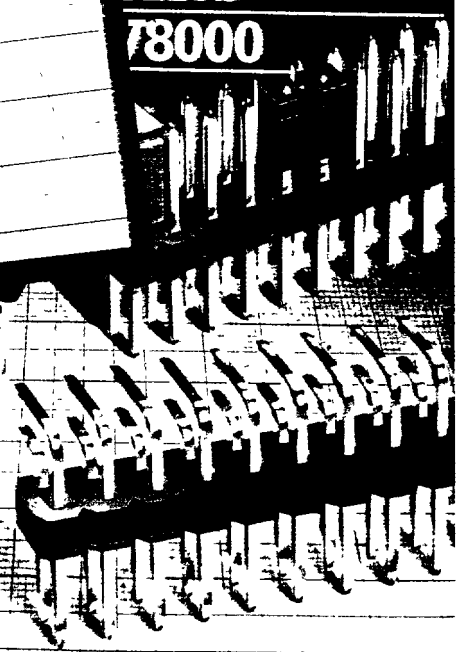
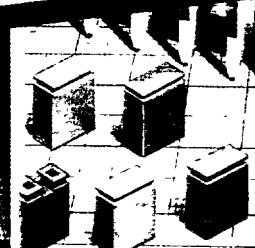
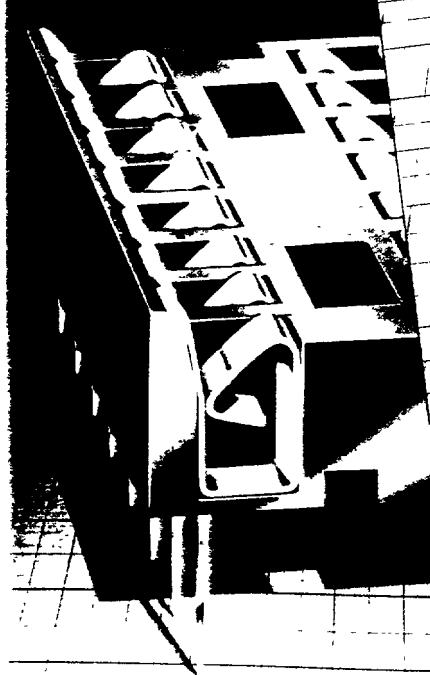
## precision ic sockets series W30500

SOLDER TAILS  
WIRE WRAP  
DECOUPLED  
CARRIER FRAMES  
COMPONENT CARRIERS  
THROUGH-PIN HEADERS  
PIN GRID ARRAYS



## unshrouded headers and porting links series

78000



# Winslow at work!

26



Shipments over 50 tonnes a month



Attention to detail

High precision

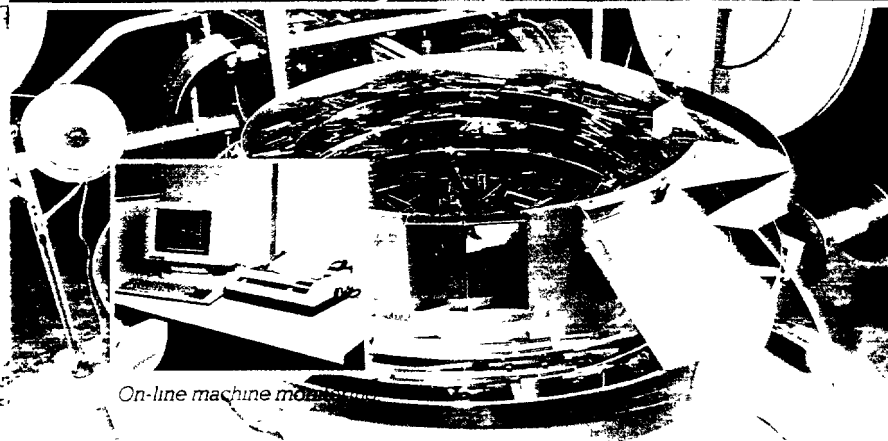
65°C



Automatic material handling



4000 contacts a minute



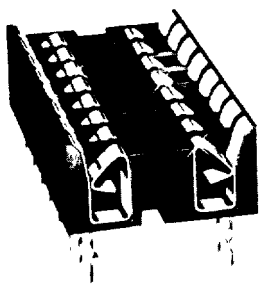
On-line machine monitoring



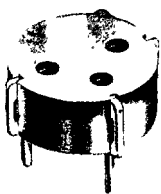
Computer

Process control

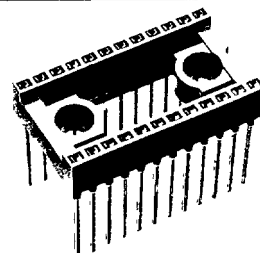
# CONTENTS



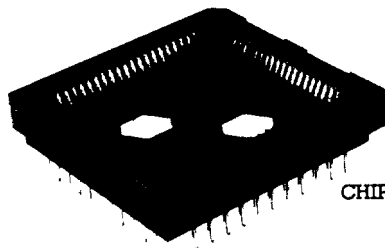
IC SOCKETS  
PAGES  
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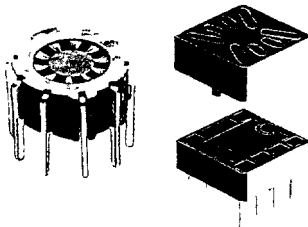
SMALL SIGNAL  
TRANSISTOR SOCKETS  
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WIRE WRAP  
SOCKET  
PAGE  
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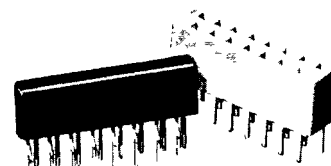
PLASTIC  
LEADED  
CHIP CARRIER  
SOCKETS  
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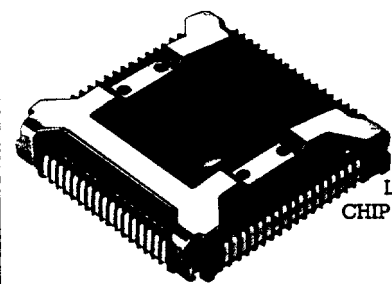
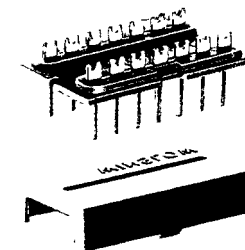
SOCKETS FOR  
CIRCULAR ICs  
TO99 - TO100  
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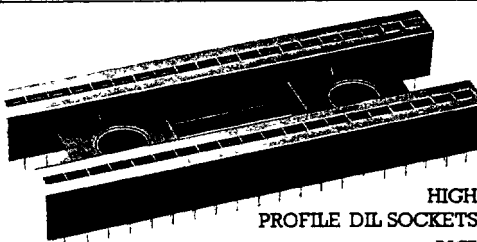
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SOCKET  
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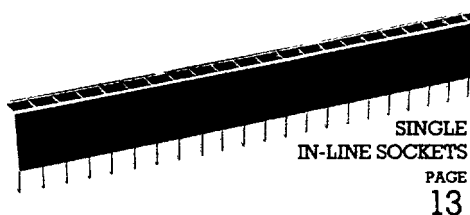
COMPONENT  
HEADER  
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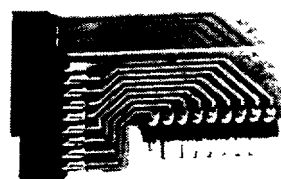
LEADLESS  
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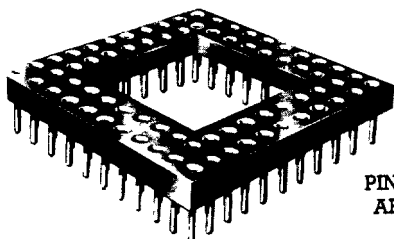
HIGH  
PROFILE DIL SOCKETS  
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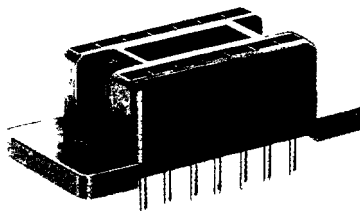
SINGLE  
IN-LINE SOCKETS  
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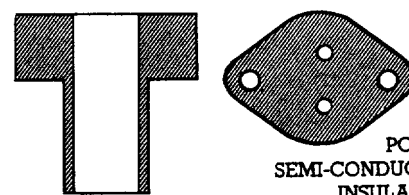
OPTO SOCKET  
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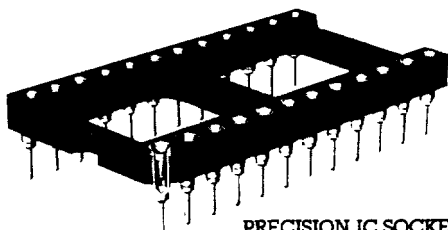
PIN GRID  
ARRAYS  
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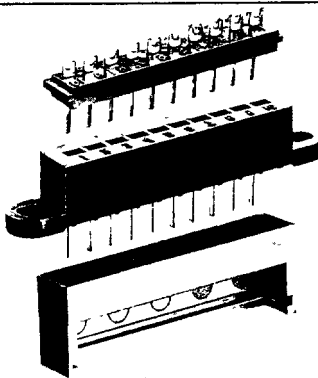
TEST  
SOCKETS  
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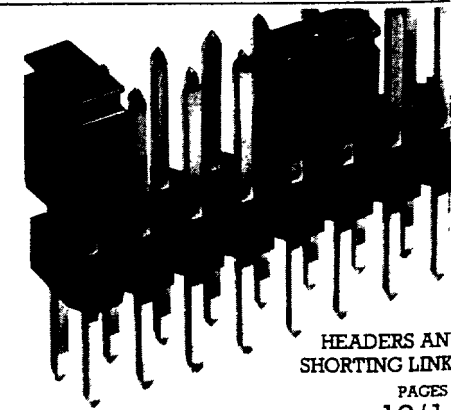
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SEMI-CONDUCTOR  
INSULATOR  
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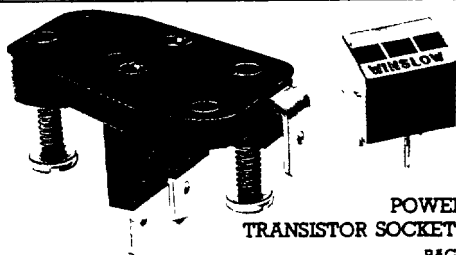
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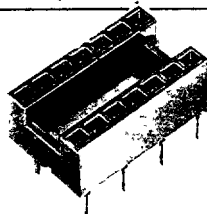
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HEADERS AND  
SHORTING LINKS  
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POWER  
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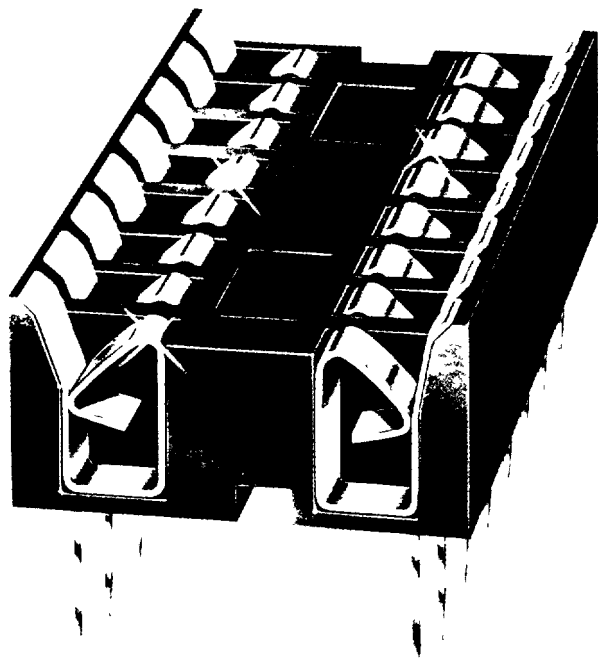


DIL TO QIL SOCKETS  
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SPECIFICATIONS

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COVER

## SERIES W3100 the ultimate low cost socket design



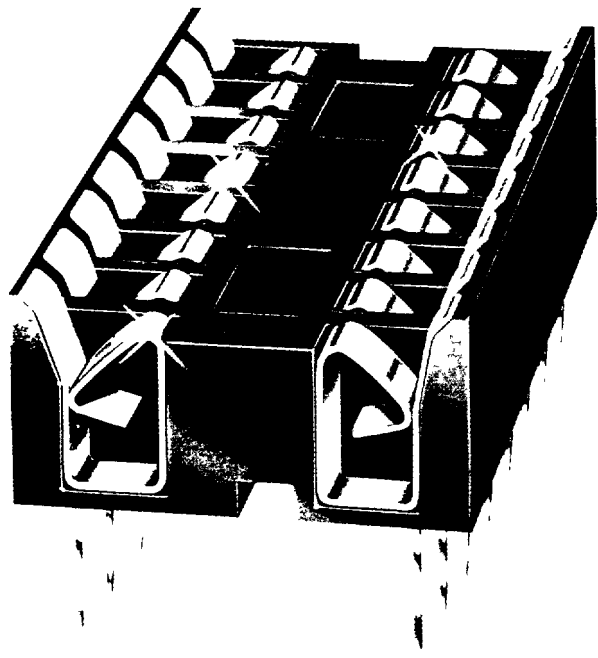
### W3100 PHOSPHOR BRONZE

- Designed for automatic PCB loading machines, IC to socket and socket and PCB
- Overstress protection
- Dual face wipe for maximum contact area and low resistance
- Large target area for ease of IC insertion
- 94 V-0-UL rated material
- Contact angled 35° to prevent IC leg going behind the contact
- End and side-stackable for maximum packing density
- Stand-offs for ease of board cleaning
- Pin 1 polarisation
- Tin and gold plated options
- Packed in rails



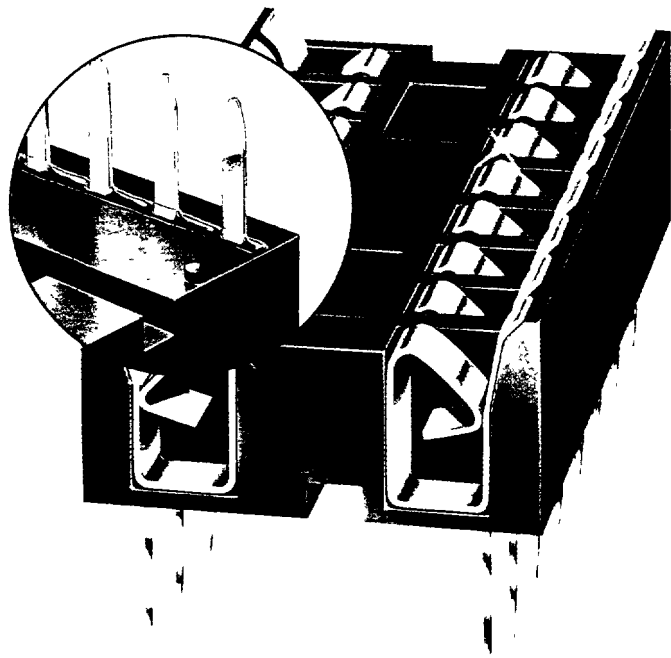
### W3100J RETENTION SOLDER TAILS

This product has all of the benefits of the standard W3100 phosphor bronze socket, but with the added advantage of self-retention solder tails. This feature is available on all W3100 derivatives.



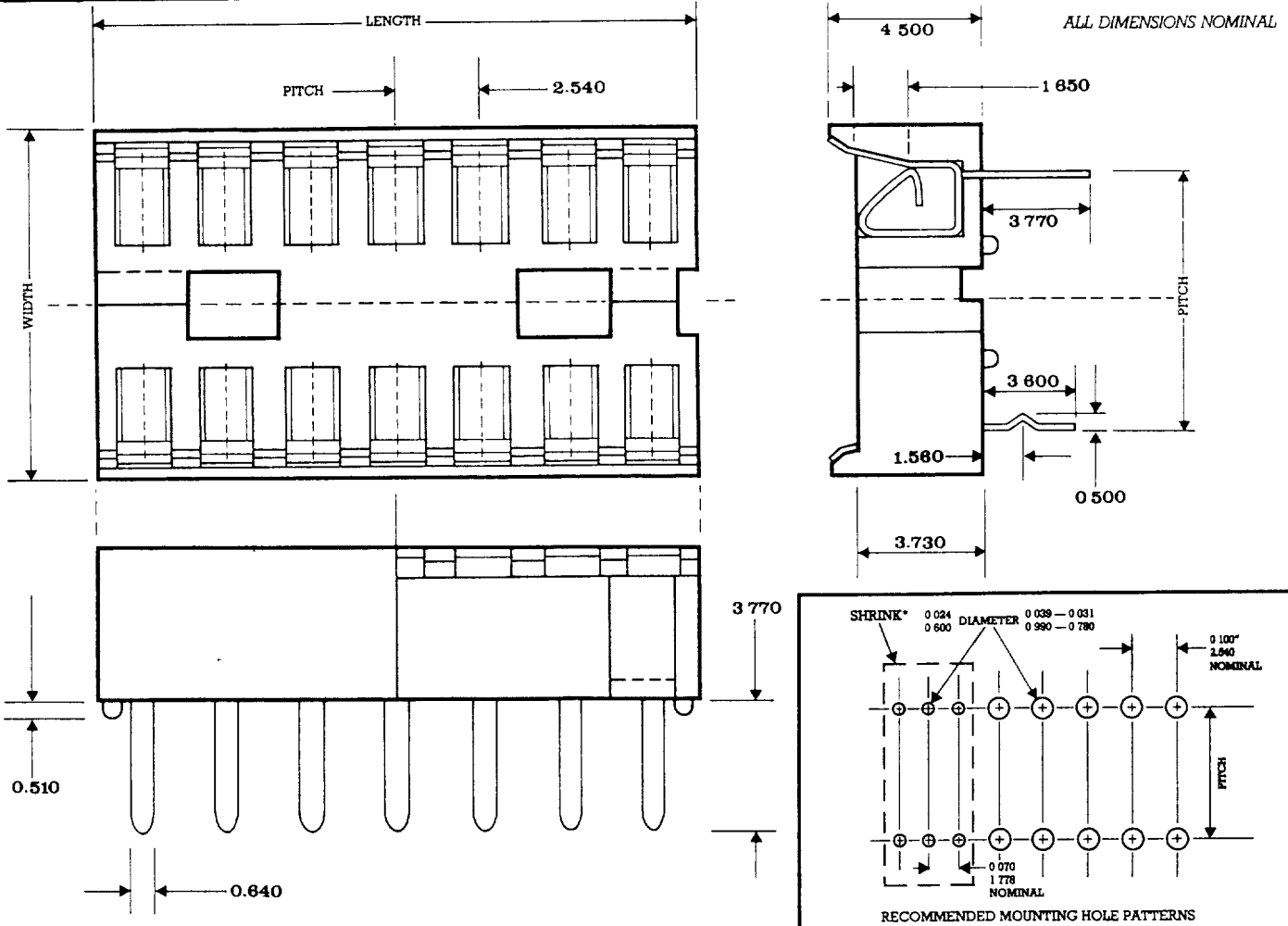
### W3100B BERYLLIUM COPPER

This product has all of the benefits of the standard W3100 phosphor bronze socket, but with the added advantage of super sprung beryllium copper contacts. Suitable for prolonged higher temperature operation. This feature is available on all W3100 derivatives.



### W3100S SEALED BASE

The low cost FLUX-FREE alternative to turned pin sockets. Not to be confused with competitor 'CLOSED BASE' options. CLOSED IS NOT SEALED! The Winslow sealed base W3100S incorporates a high temperature sealant all around the aperture through which the solder tail protrudes. Applied under controlled conditions and set by way of a UV light source, this seal is within the depth of the socket stand-offs, thus not inhibiting maximum solderability. This feature is available on all W3100 derivatives.



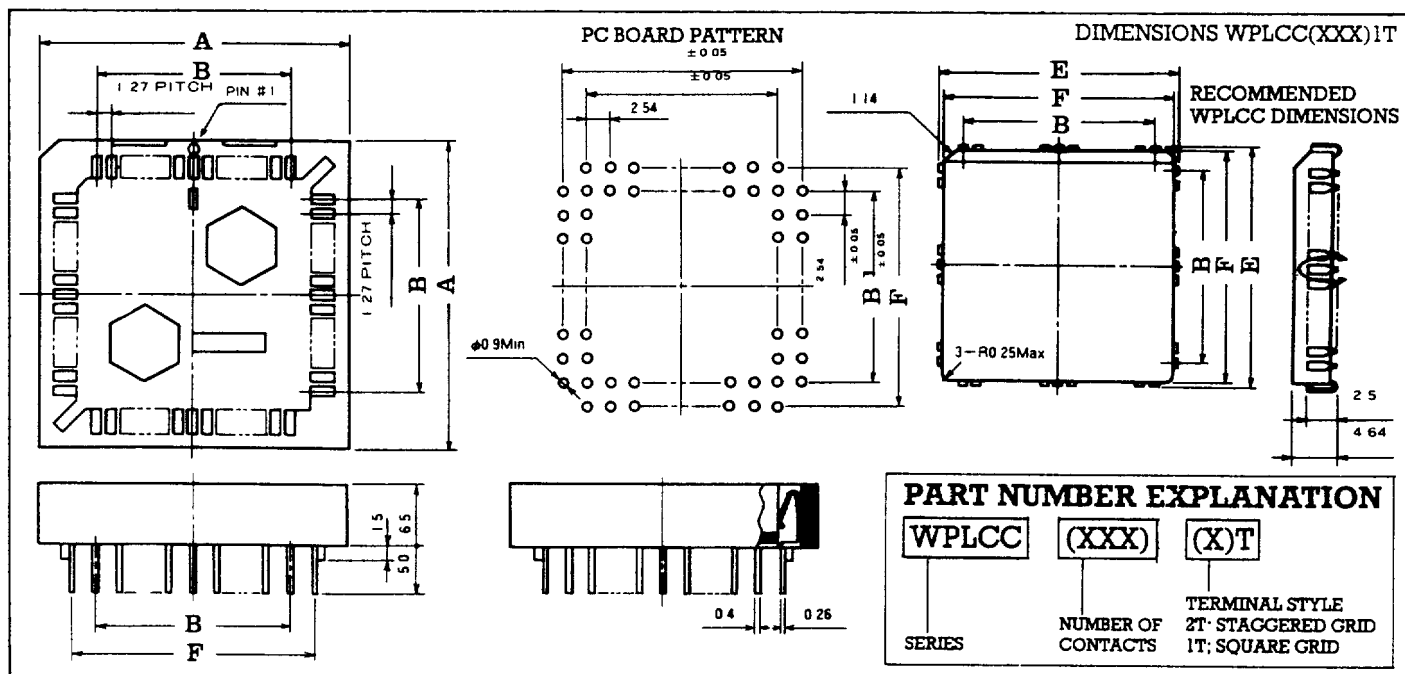
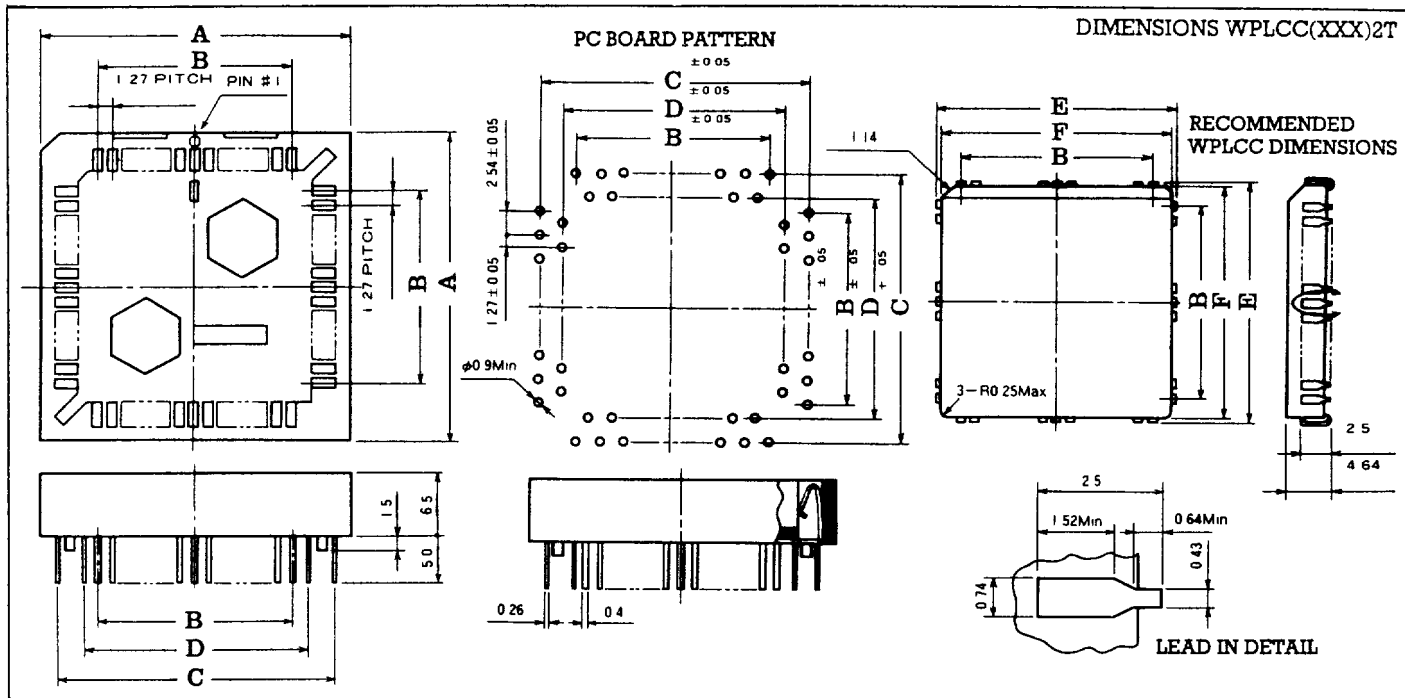
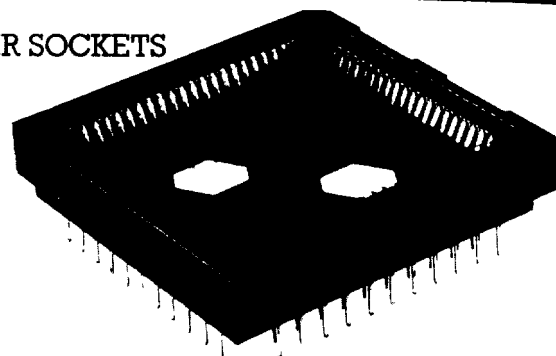
NUMBER OF CONTACTS	PART NUMBER PHOSPHOR BRONZE	SUFFIXES						LENGTH	WIDTH	PITCH
		BERYLLIUM COPPER	RETENTION SOLDER TAILS	SEALED BASE	TIN/LEAD PLATING	ALL-OVER GOLD 0.25μ	TIN TAIL/GOLD CONTACT AREA 0.4μ INLAY			
6	W3106	B	J	S	T	G25	GT40	0.295 7.490	0.395 10.033	0.300 7.620
8	W3108	B	J	S	T	G25	GT40	0.395 10.030	0.395 10.033	0.300 7.620
14	W3114	B	J	S	T	G25	GT40	0.695 17.650	0.395 10.033	0.300 7.620
16	W3116	B	J	S	T	G25	GT40	0.795 20.190	0.395 10.033	0.300 7.620
18	W3118	B	J	S	T	G25	GT40	0.895 22.730	0.395 10.033	0.300 7.620
20	W3120	B	J	S	T	G25	GT40	0.995 25.270	0.395 10.033	0.300 7.620
22	W3122	B	J	S	T	G25	GT40	1.095 27.810	0.495 12.573	0.400 10.160
24	W3124/3	B	J	S	T	G25	GT40	1.195 30.350	0.395 10.033	0.300 7.620
24	W3124	B	J	S	T	G25	GT40	1.195 30.350	0.695 17.653	0.600 15.240
28	W3128	B	J	S	T	G25	GT40	1.395 35.430	0.695 17.653	0.600 15.240
28/07*	W3128/7	B	J	S	T	G25	GT40	0.991 25.170	0.498 12.650	0.400 10.160
32	W3132	B	J	S	T	G25	GT40	1.595 40.510	0.695 17.653	0.600 15.240
40	W3140	B	J	S	T	G25	GT40	1.995 50.670	0.695 17.653	0.600 15.240
40/07*	W3140/7	B	J	S	T	G25	GT40	1.411 35.840	0.698 17.730	0.600 15.240
42	W3142	B	J	S	T	G25	GT40	2.005 50.927	0.695 17.653	0.600 15.240
48	W3148	B	J	S	T	G25	GT40	2.395 60.833	0.695 17.653	0.600 15.240
64/07*	W3164/7	B	J	S	T	G25	GT40	2.251 57.180	0.848 21.540	0.750 19.050

When ordering, build Part Number in the order listed. **EXAMPLE:** W3106JSG25 = 6 Pin, Phosphor Bronze, Retention Pin, Sealed Base, All-over Gold 0.25 microns.

SEE BACK PAGE FOR SPECIFICATIONS

# SERIES WPLCC PLASTIC LEADED CHIP CARRIER SOCKETS

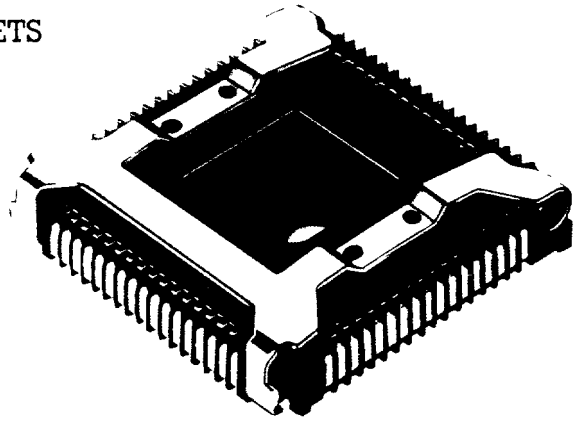
- 68 and 84 contacts
- Square or staggered matrix
- Moulding polarisation
- Drainage holes for ease in cleaning
- Low profile
- Good heat dissipation
- Good test probe access



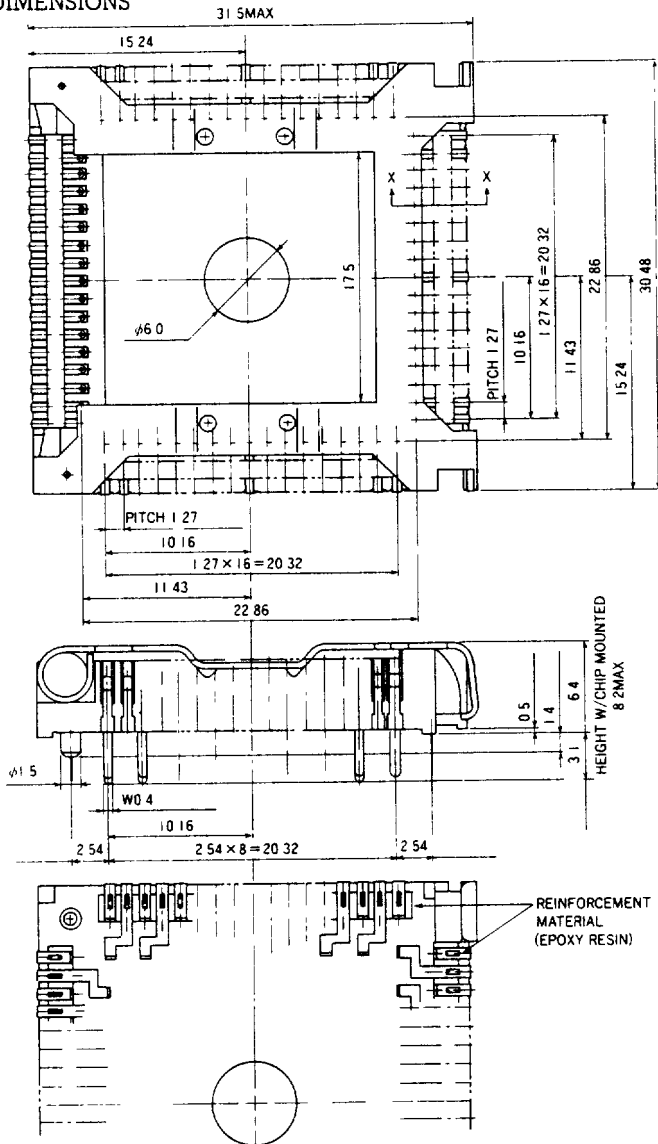
PART NUMBER	NUMBER OF CONTACTS	DIMENSIONS					
		A	B	C	D	E	F
WPLCC 068-1T	68	32.00	20.32	25.15	24.21	25.40	
WPLCC 068-2T	68	32.00	20.32	27.94	22.86	25.15	24.21
PART NUMBER	NUMBER OF CONTACTS	DIMENSIONS					
		A	B	C	D	E	F
WPLCC 084-1T	84	37.08	25.40	30.23	29.29	30.48	
WPLCC 084-2T	84	37.08	25.40	33.02	27.94	30.23	29.29

# SERIES WLCC LEADLESS CHIP CARRIER SOCKETS

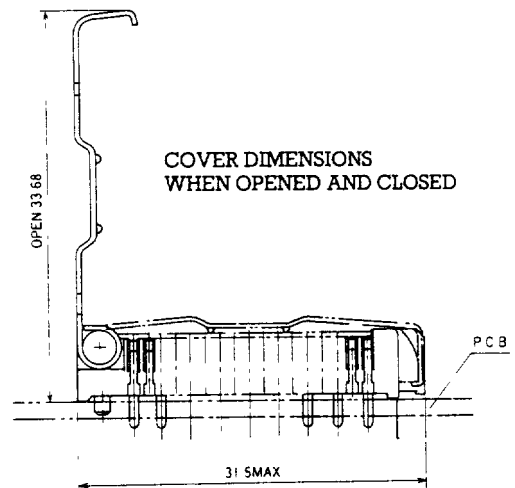
- Number of contacts 68
- Low profile
- Moulding polarisation
- Drainage holes for ease in cleaning
- Easily-operated self-locking cover
- Good test probe access
- Sealing around contact area prevents flux and solder contamination
- Contact material beryllium copper



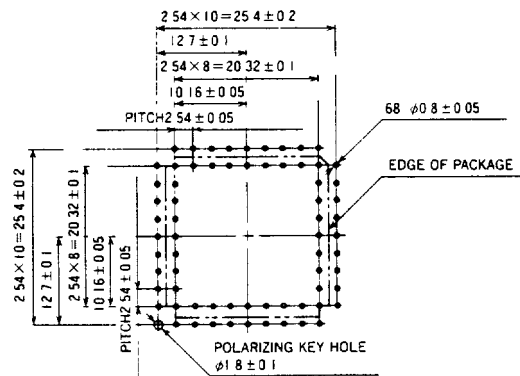
## DIMENSIONS



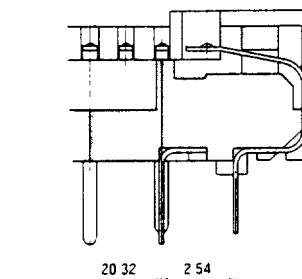
## COVER DIMENSIONS WHEN OPENED AND CLOSED



## PC BOARD PATTERN



22.86



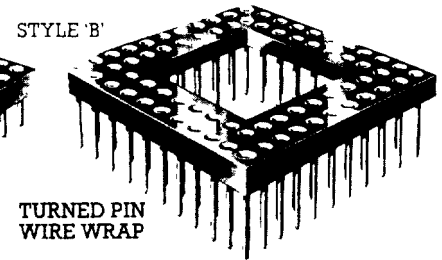
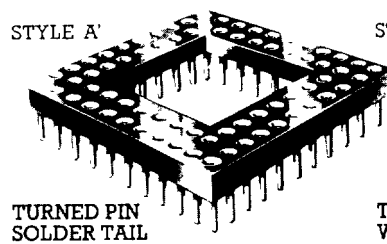
## PART NUMBER EXPLANATION

WLCC	068	3TG25
SERIES	NUMBER OF CONTACTS	TERMINAL STYLE SELECTIVE PLATING TIN TAIL 0.25 $\mu$ GOLD CONTACT

● Contact Winslow Sales Office for details of other pin-outs

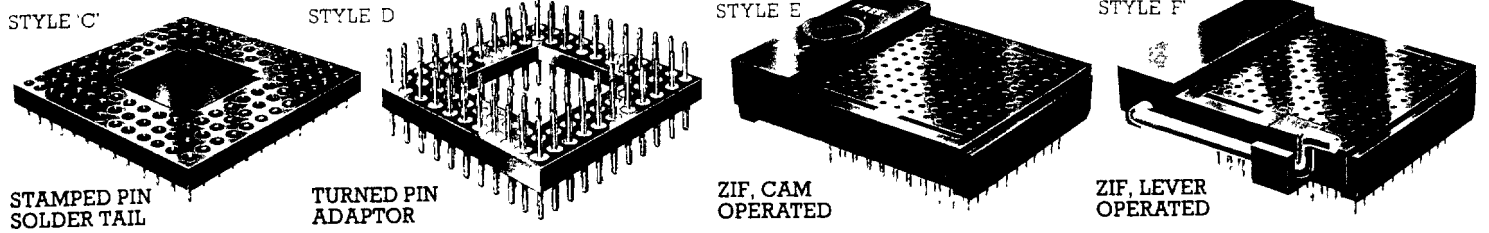
# PIN GRID ARRAYS

- 0.1" matrix 10 x 10 to 23 x 23
- 6 styles, including turned, stamped, adaptor ZIF
- Turned pin 6-finger, low insertion force
- Custom specials available, see page 10a
- Plating options
- High temperature option for vapour phase



WP(X)64A1010(XXX) STYLES AVAILABLE A/B/C/D	WP(X)65A1010(XXX) STYLES AVAILABLE A/B/C/D	WP(X)68A1010(XXX) STYLES AVAILABLE A/B/C/D	WP(X)84A1010(XXX) STYLES AVAILABLE A/B/C/D	WP(X)85A1010(XXX) STYLES AVAILABLE A/B/C/D
WP(X)75A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)76A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)84A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)84B1111(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)85A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F
WP(X)98A1313(XXX) STYLES AVAILABLE A/B/C/D	WP(X)100A1313(XXX) STYLES AVAILABLE A/B/C/D	WP(X)101A1313(XXX) STYLES AVAILABLE A/B/C/D	WP(X)114A1313(XXX) STYLES AVAILABLE A/B/C/D	WP(X)120A1313(XXX) STYLES AVAILABLE A/B/C/D
WP(X)132A1414(XXX) STYLES AVAILABLE A/B/C/D	WP(X)133A1414(XXX) STYLES AVAILABLE A/B/C/D	WP(X)135A1414(XXX) STYLES AVAILABLE A/B/C/D	WP(X)136A1414(XXX) STYLES AVAILABLE A/B/C/L	WP(X)161A1414(XXX) STYLES AVAILABLE A/B/C/D
WP(X)149A1515(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)176A1515(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)225A1515(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)256A1616(XXX) STYLES AVAILABLE A/B/C/D	WP(X)145A1717(XXX) STYLES AVAILABLE A/B/C/D





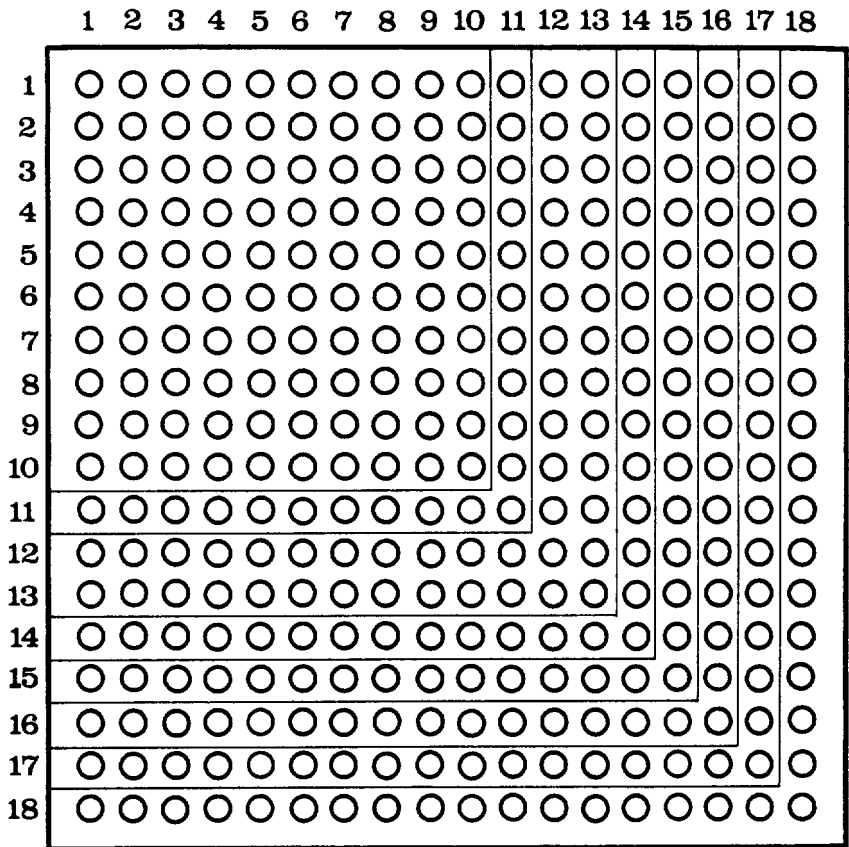
WP(X)100A1010(XXX) STYLES AVAILABLE A/B/C/D	WP(X)68A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)68A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)69A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)72A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F
WP(X)96A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)97A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)120A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)121A1111(XXX) STYLES AVAILABLE A/B/C/D/E/F	WP(X)73A1313(XXX) STYLES AVAILABLE A/B/C/D
WP(X)121A1313(XXX) STYLES AVAILABLE A/B/C/D	WP(X)124A1313(XXX) STYLES AVAILABLE A/B/C/D	WP(X)132A1313(XXX) STYLES AVAILABLE A/B/C/D	WP(X)144A1313(XXX) STYLES AVAILABLE A/B/C/D	WP(X)145A1313(XXX) STYLES AVAILABLE A/B/C/D
WP(X)175A1414(XXX) STYLES AVAILABLE A/B/C/D	WP(X)180A1414(XXX) STYLES AVAILABLE A/B/C/D	WP(X)181A1414(XXX) STYLES AVAILABLE A/B/C/D	WP(X)196A1414(XXX) STYLES AVAILABLE A/B/C/D	WP(X)105A1515(XXX) STYLES AVAILABLE A/B/C/D/E/F
WP(X)146A1717(XXX) STYLES AVAILABLE A/B/C/D	WP(X)168A1717(XXX) STYLES AVAILABLE A/B/C/D	WP(X)209A1717(XXX) STYLES AVAILABLE A/B/C/D	WP(X)240A1717(XXX) STYLES AVAILABLE A/B/C/D	WP(X)289A1717(XXX) STYLES AVAILABLE A/B/C/D

SEE BACK PAGE FOR SPECIFICATIONS

# PIN GRID ARRAYS

## CUSTOM SPECIALS

Available in the following Styles (see pages 8/9):  
 TURNED PIN SOLDER TAIL, TURNED PIN WIRE WRAP,  
 TURNED PIN ADAPTOR,



### HOW TO ORDER CUSTOM SPECIALS

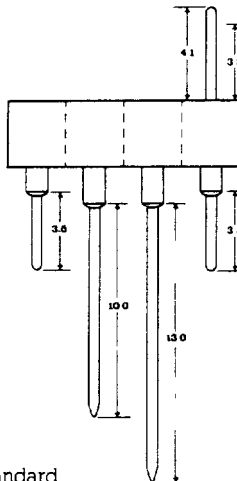
1. PHOTOCOPY THIS PAGE.
2. Fill in holes where contact is required
3. Shade in corner if orientation is required
4. If no contacts are required in the centre, the centre may be cut out. An orientation corner can be included in this cut-out
5. Send to your local distributor or mail or fax direct to Winslow International at the address on the back cover of this brochure. Part number drawing and quotation will be sent to you by return
6. Quantity

7. Please tick contact style

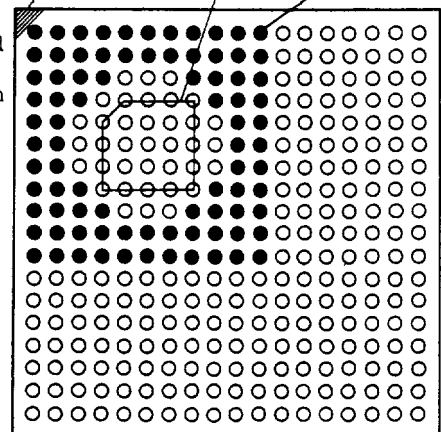
- Turned pin solder tail
- Turned pin wire wrap 2-level
- Turned pin wire wrap 3-level
- Turned pin adaptor

8. Please tick
- Tin Outer
- Gold Outer
- Clip

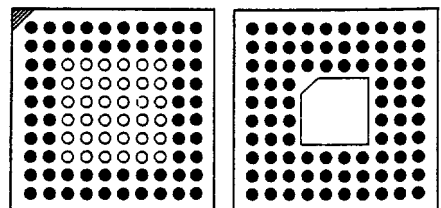
Gold 0.4 standard



CORNER ORIENTATION      CENTRE CUTAWAY      POSITION OF CONTACTS



### EXAMPLES



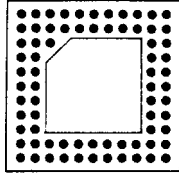
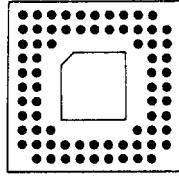
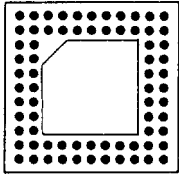
# PART NUMBER EXPLANATION

WP (X) 68 A1010 (X X X)

SERIES  
 L = TURNED PIN LIF  
 W = WIRE WRAP  
 Z = ZERO INSERTION FORCE  
 T = ADAPTOR THROUGH PIN  
 S = STAMPED CONTACT  
 68 = NUMBER OF PINS  
 A1010 = MATRIX

H = HIGH TEMPERATURE  
 (FOR VAPOUR PHASE  
 SOLDERING)  
 C = CAM OPERATED ZIF  
 L = LEVER OPERATED ZIF  
 2 = 2-LEVEL (WIRE WRAP ONLY)  
 3 = 3-LEVEL (WIRE WRAP ONLY)  
 G40 = GOLD PIN 0.4μ.  
 T = TIN\*

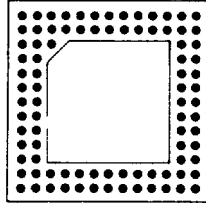
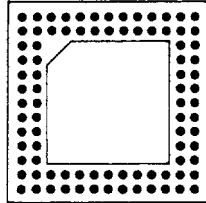
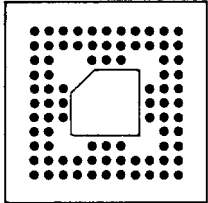
\* Turned pin versions all have gold plated clip insert. This suffix would determine plating of pin only.



WP(X)72B1111(XXX)  
 STYLES AVAILABLE A/B/C/D/E/F

WP(X)73A1111(XXX)  
 STYLES AVAILABLE A/B/C/D/E/F

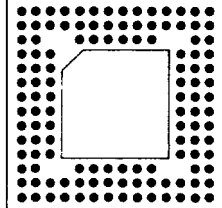
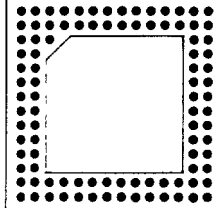
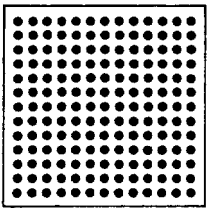
WP(X)73B1111(XXX)  
 STYLES AVAILABLE A/B/C/D/E/F



WP(X)84A1313(XXX)  
 STYLES AVAILABLE A/B/C/D

WP(X)88A1313(XXX)  
 STYLES AVAILABLE A/B/C/D

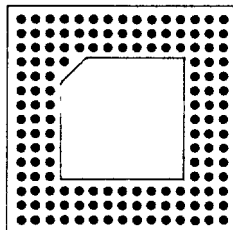
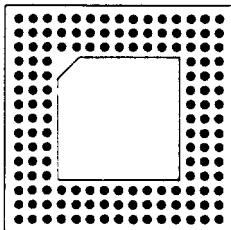
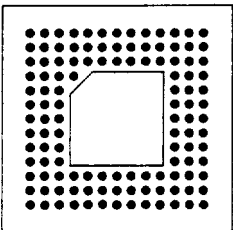
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WP(X)169A1313(XXX)  
 STYLES AVAILABLE A/B/C/D

WP(X)97A1414(XXX)  
 STYLES AVAILABLE A/B/C/D

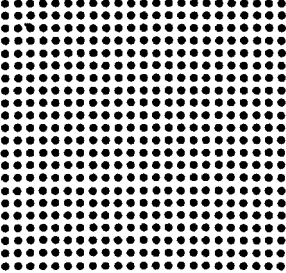
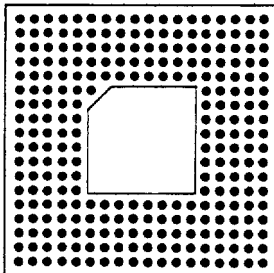
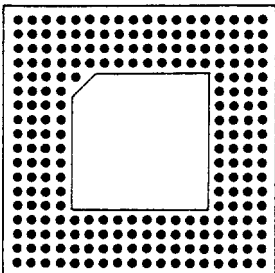
WP(X)124A1414(XXX)  
 STYLES AVAILABLE A/B/C/D



WP(X)121A1515(XXX)  
 STYLES AVAILABLE A/B/C/D/E/F

WP(X)144A1515(XXX)  
 STYLES AVAILABLE A/B/C/D/E/F

WP(X)145A1515(XXX)  
 STYLES AVAILABLE A/B/C/D/E/F



WP(X)225A1818(XXX)  
 STYLES AVAILABLE A/B/C/D

WP(X)261A1818(XXX)  
 STYLES AVAILABLE A/B/C/D

WP(X)529A2323(XXX) ZIF only

# PIN GRID ARRAYS

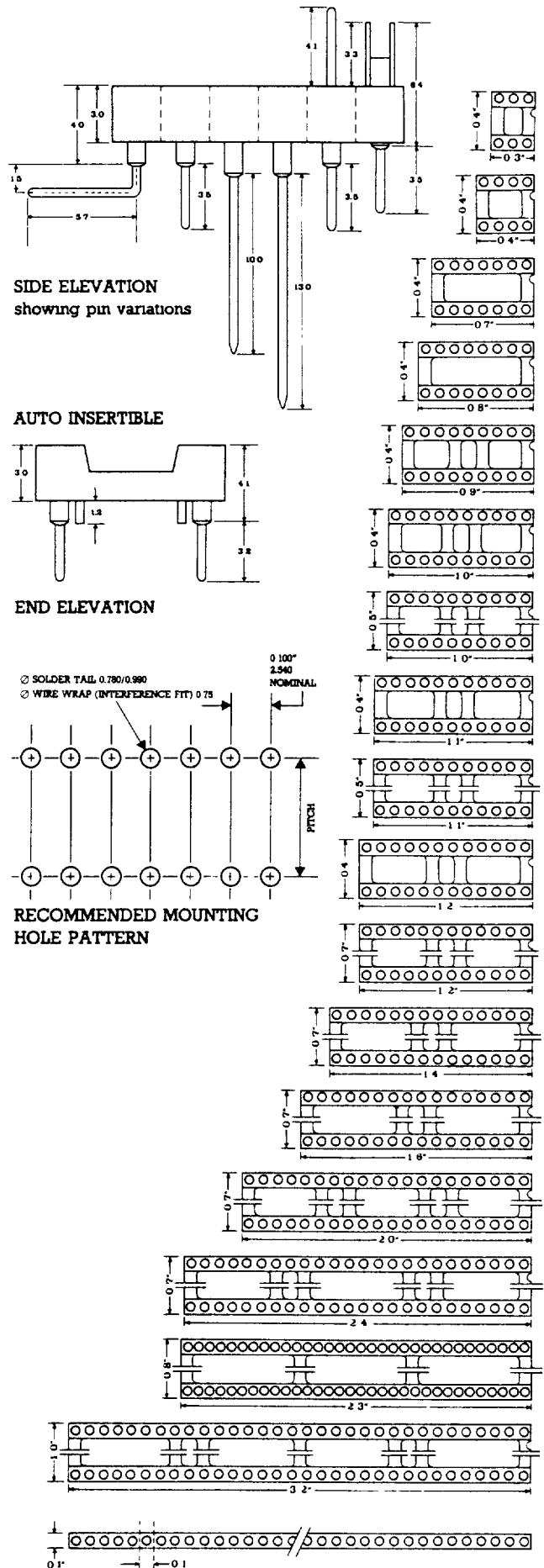
PIN GRID ARRAY	CUSTOM PART NUMBER	PRICE

(This will be completed by Winslow's or the Distributor's sales office and faxed to the customer)

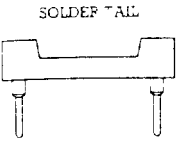
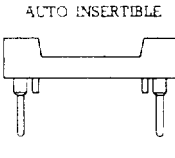
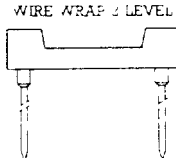
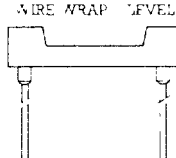
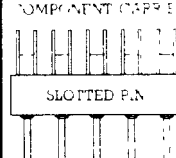
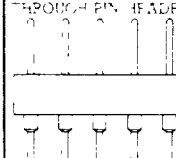
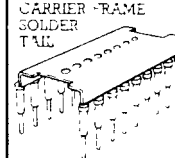
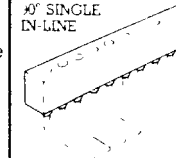
The customer should then use this part number in all future ordering or correspondence

## NOTES

# PRECISION IC SOCKETS



6 PIN	0. PIT
8 PIN	0. PIT
14 PIN	0. PIT
16 PIN	0. PIT
18 PIN	0. PIT
20 PIN	0. PIT
20 PIN	0. PIT
22 PIN	0. PIT
22 PIN	0. PIT
24 PIN	0. PIT
24 PIN	0. PIT
28 PIN	0. PIT
32 PIN	0. PIT
40 PIN	0. PIT
48 PIN	0. PIT
64 PIN	0. PIT
64 PIN	0. PIT
1-50 PIN	N.

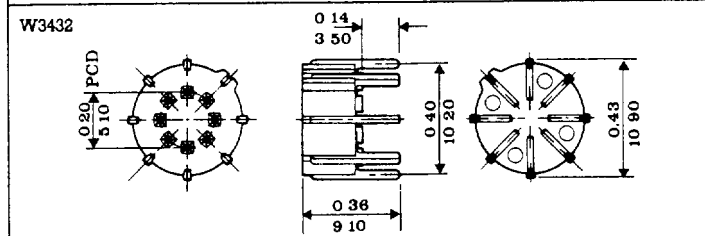
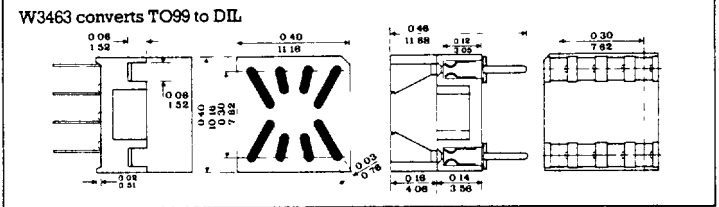
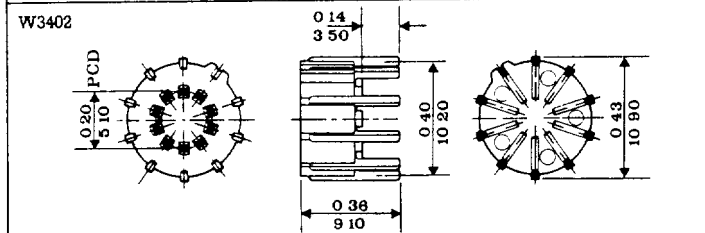
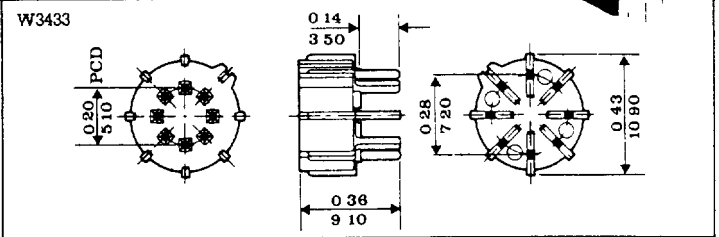
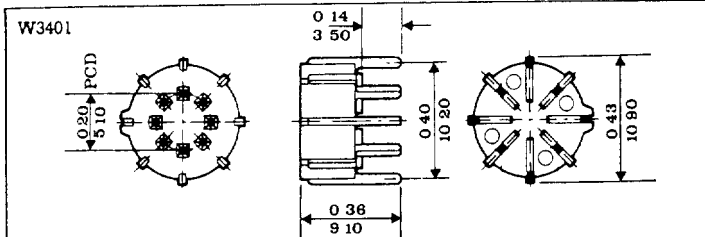
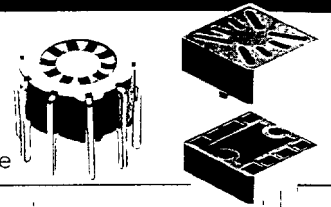
															
SOLDER TAIL		AUTO INSERTIBLE		WIRE WRAP 2 LEVEL		WIRE WRAP 3 LEVEL		COMPONENT CARRIER SLOTTED P.I.N.		THROUGH PIN HEADER		CARRIER FRAME SOLDER TAIL		90° SINGLE IN-LINE	
W30506T	W30506G	W30506AT	W30506AG	W30606T2	W30606G2	W30606T3	W30606G3	W60506SPT	W60506SPG	W60506TPT	W60506TPG	W300506T	W300506G		
W30508T	W30508G	W30508AT	W30508AG	W30608T2	W30608G2	W30608T3	W30608G3	W60508SPT	W60508SPG	W60508TPT	W60508TPG	W300508T	W300508G		
W30514T	W30514G	W30514AT	W30514AG	W30614T2	W30614G2	W30614T3	W30614G3	W60514SPT	W60514SPG	W60514TPT	W60514TPG	W300514T	W300514G		
W30516T	W30516G	W30516AT	W30516AG	W30616T2	W30616G2	W30616T3	W30616G3	W60516SPT	W60516SPG	W60516TPT	W60516TPG	W300516T	W300516G		
W30518T	W30518G	W30518AT	W30518AG	W30618T2	W30618G2	W30618T3	W30618G3	W60518SPT	W60518SPG	W60518TPT	W60518TPG	W300518T	W300518G		
W30520T	W30520G	W30520AT	W30520AG	W30620T2	W30620G2	W30620T3	W30620G3	W60520SPT	W60520SPG	W60520TPT	W60520TPG	W300520T	W300520G		
W30520/4T	W30520/4G	W30520/4AT	W30520/4AG	W30620/4T2	W30620/4G2	W30620/4T3	W30620/4G3	W60520/4SPT	W60520/4SPG	W60520/4TPT	W60520/4TPG	W300520/4T	W300520/4G		
W30522/3T	W30522/3G	W30522/3AT	W30522/3AG	W30622/3T2	W30622/3G2	W30622/3T3	W30622/3G3	W60522/3SPT	W60522/3SPG	W60522/3TPT	W60522/3TPG	W300522/3T	W300522/3G		
W30522T	W30522G	W30522AT	W30522AG	W30622T2	W30622G2	W30622T3	W30622G3	W60522SPT	W60522SPG	W60522TPT	W60522TPG	W300522T	W300522G		
W30524/3T	W30524/3G	W30524/3AT	W30524/3AG	W30624/3T2	W30624/3G2	W30624/3T3	W30624/3G3	W60524/3SPT	W60524/3SPG	W60524/3TPT	W60524/3TPG	W300524/3T	W300524/3G		
W30524T	W30524G	W30524AT	W30524AG	W30624T2	W30624G2	W30624T3	W30624G3	W60524SPT	W60524SPG	W60524TPT	W60524TPG	W300524T	W300524G		
W30528T	W30528G	W30528AT	W30528AG	W30628T2	W30628G2	W30628T3	W30628G3	W60528SPT	W60528SPG	W60528TPT	W60528TPG	W300528T	W300528G		
W30532T	W30532G	W30532AT	W30532AG	W30632T2	W30632G2	W30632T3	W30632G3	W60532SPT	W60532SPG	W60532TPT	W60532TPG	W300532T	W300532G		
W30540T	W30540G	W30540AT	W30540AG	W30640T2	W30640G2	W30640T3	W30640G3	W60540SPT	W60540SPG	W60540TPT	W60540TPG	W300540T	W300540G		
W30548T	W30548G	W30548AT	W30548AG	W30648T2	W30648G2	W30648T3	W30648G3	W60548SPT	W60548SPG	W60548TPT	W60548TPG	W300548T	W300548G		
W30564/7T	W30564/7G	W30564/7AT	W30564/7AG	W30664/7T2	W30664/7G2	W30664/7T3	W30664/7G3	W60564/7SPT	W60564/7SPG	W60564/7TPT	W60564/7TPG	W300564/7T	W300564/7G		
W30564T	W30564G	W30564AT	W30564AG	W30664T2	W30664G2	W30664T3	W30664G3	W60564SPT	W60564SPG	W60564TPT	W60564TPG	W300564T	W300564G		
W355(XX)T	W355(XX)G			W366(XX)T2	W366(XX)G2	W366(XX)T3	W366(XX)G3	W666(XX)SPT	W666(XX)SPG	W666(XX)TPT	W666(XX)TPG	W30055(XX)T	W30055(XX)G	W355(XX)T9	W355(XX)G9

T = Tin outer, Gold contact    G = Gold outer, Gold contact (Tin contact available on request)

SEE BACK PAGE FOR SPECIFICATIONS

# SERIES W3400 SOCKETS FOR CIRCULAR IC'S TO99 - TO100

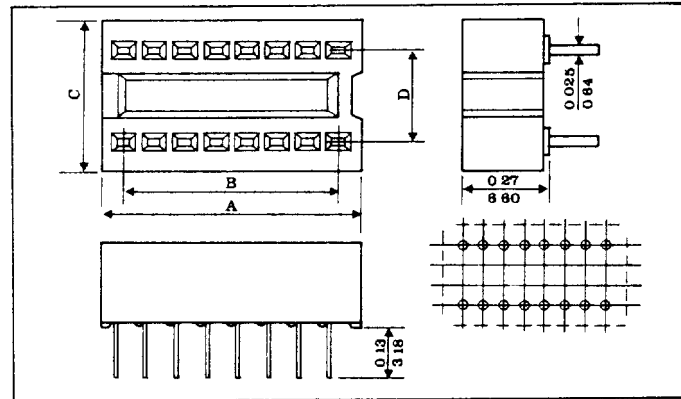
- Moulded in 30% glass-filled polyester UL94 V-O ● Contacts gold or tin-plated phosphor bronze
- Tuning fork contacts (except W3463 which is stamped and formed)
- All products have anti-moisture feet which also aid PCB cleaning ● -65°C +150°C temperature range



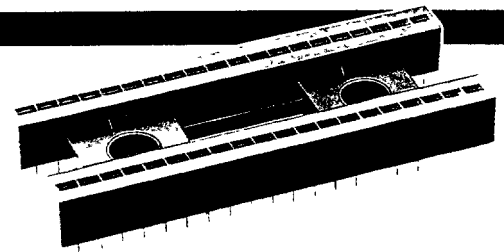
PART NUMBER		NUMBER OF CONTACTS	OUTPUT
TIN PLATED	GOLD PLATED		
W3401T	W3401G	8	0.100" Matrix
W3402T	W3402G	10	0.400" PCD
W3432T	W3432G	8	0.400" PCD
W3433T	W3433G	8	0.283" PCD
W3463T	W3463G	8	0.100" DIL

# SERIES W3440 HIGH PROFILE DIL SOCKETS

- Very robust design ● Phosphor bronze or beryllium copper contacts



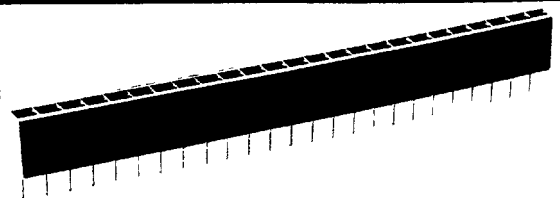
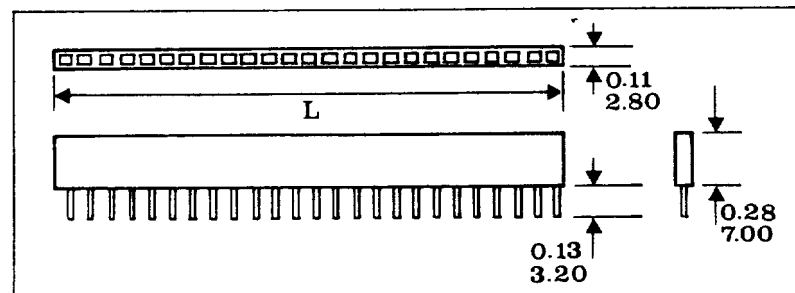
Add Suffix T = PhBr Tin-plated, G = PhBr Gold-plated  
BT = BeCu Tin-plated, BG = BeCu Gold-plated



PART NUMBER	NUMBER OF CONTACTS	A	B	C	D
W3440-08	8	0.440 11.176	0.300 7.620	0.490 12.446	0.300 7.620
W3440-14	14	0.740 18.796	0.600 15.240	0.490 12.446	0.300 7.620
W3440-16	16	0.840 21.336	0.700 17.780	0.490 12.446	0.300 7.620
W3440-24	24	1.240 31.496	1.100 27.940	0.790 20.066	0.600 15.240
W3440-28	28	1.440 36.576	1.300 33.020	0.790 20.066	0.600 15.240
W3440-40	40	2.040 51.816	1.900 48.260	0.790 20.066	0.600 15.240

# SERIES W34400 SINGLE IN LINE SOCKETS

- High profile ● Designed for mounting heavy devices such as liquid crystal displays
- Available from 3 to 25 contacts



**PART NUMBER EXPLANATION**

**W344(XX)**

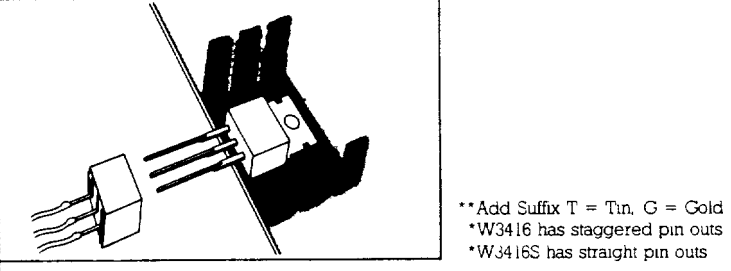
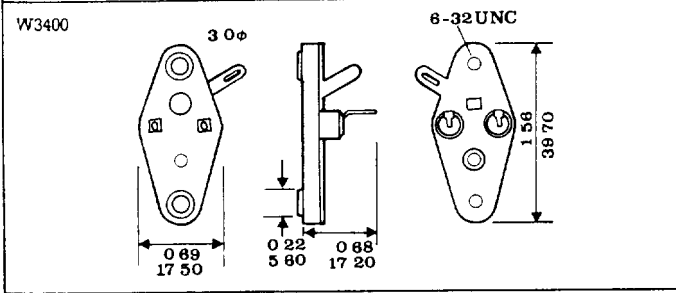
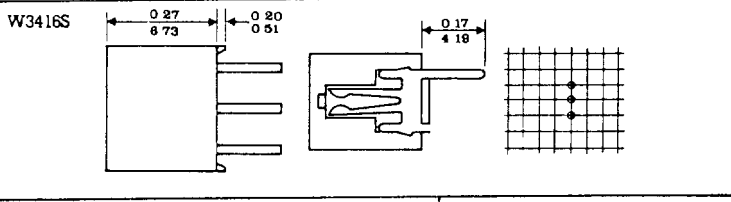
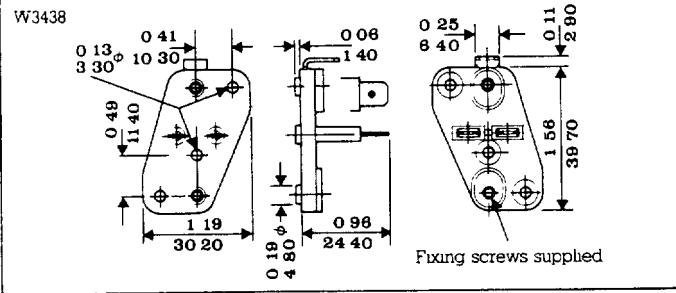
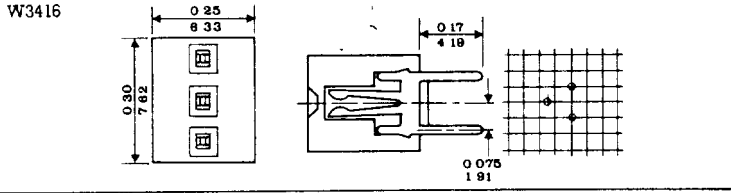
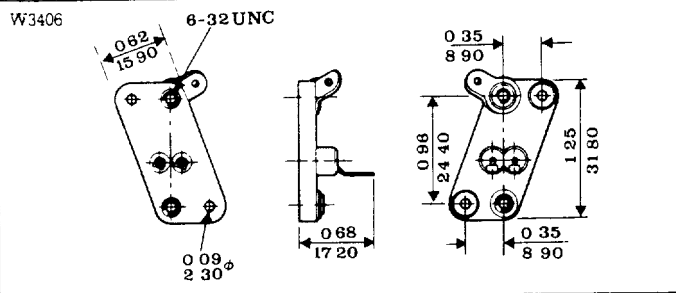
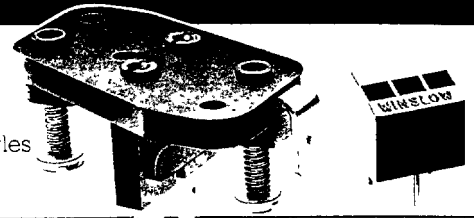
NUMBER OF CONTACTS FROM 03 TO 34

L = Number of Contacts x 0.1" (2.54mm)

Add Suffix T = Tin, G = Gold

# SERIES W3400 POWER TRANSISTOR SOCKETS

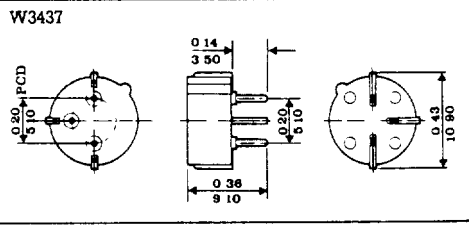
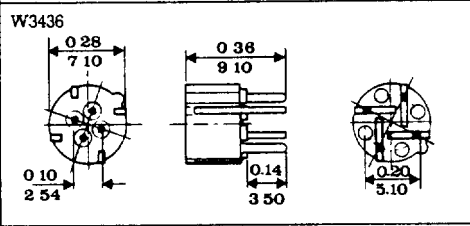
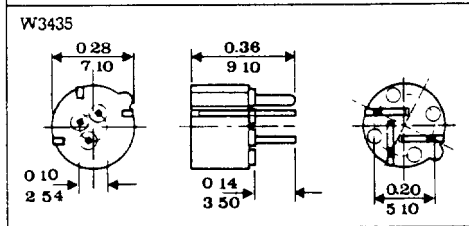
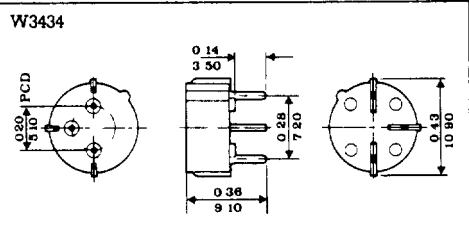
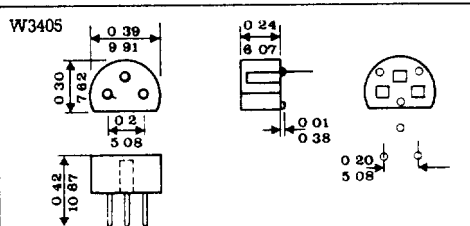
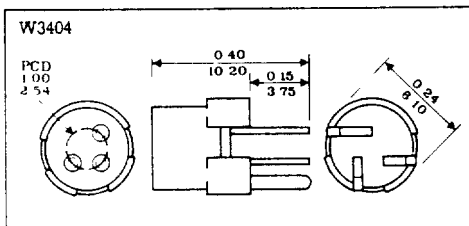
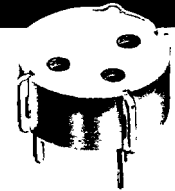
- TO3 power semiconductors can be connected without soldering
- Heat sinks can be clamped between the device and the socket on TO3 and TO66 styles
- W3438 Terminals are suitable for use with BSALI 151 Series 250 spade connectors
- Up to 15amp TO3 capability



PART NUMBER	CURRENT RATING	DEVICE	PLASTIC MATERIAL
W3400	5amp	TO3	Filled Phenolic Resin
W3406	5amp	TO66	Filled Phenolic Resin
*W3416**	2.5amp	TO220	30% Glass-filled Polyester
*W3416S**	2.5amp	TO220	30% Glass-filled Polyester
W3438	15amp	TO3	30% Glass-filled Polyester

# SERIES W3400 SMALL SIGNAL TRANSISTOR SOCKETS

- Mouldings 30% glass-filled polyester UL94 V-O
- Contacts gold or tin-plated phosphor bronze
- Tuning fork contacts (except W3405 which is stamped and formed)
- All products have anti-moisture feet which also aid PCB cleaning
- -65°C + 150°C temperature range

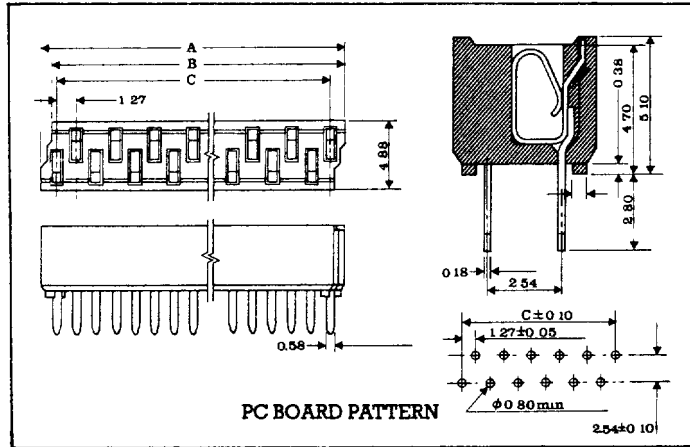


PART NUMBER		NUMBER OF CONTACTS	PART NUMBER		NUMBER OF CONTACTS
TIN PLATED	GOLD PLATED		TIN PLATED	GOLD PLATED	
W3404T	W3404G	3	W3435T	W3435G	3
W3405T	W3405G	3	W3436T	W3436G	4
W3434T	W3434G	3	W3437T	W3437G	3

# ZIG-ZAG SERIES 3100Z

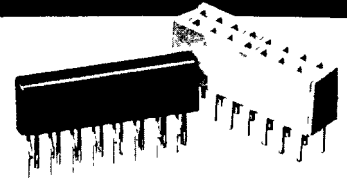


- End and side stackable
- Proven W3100 style contact
- Double face wipe
- Closed bottom design

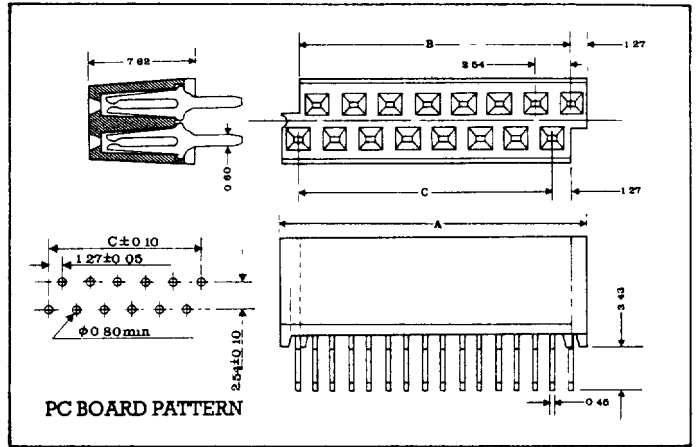


PART NUMBER	NUMBER OF CONTACTS	DIMENSIONS		
		A	B	C
W3116ZT	16	20.75	20.32	19.05
W3118ZT	18	23.29	22.86	21.59
W3120ZT	20	25.83	25.40	24.13

# SERIES W3439



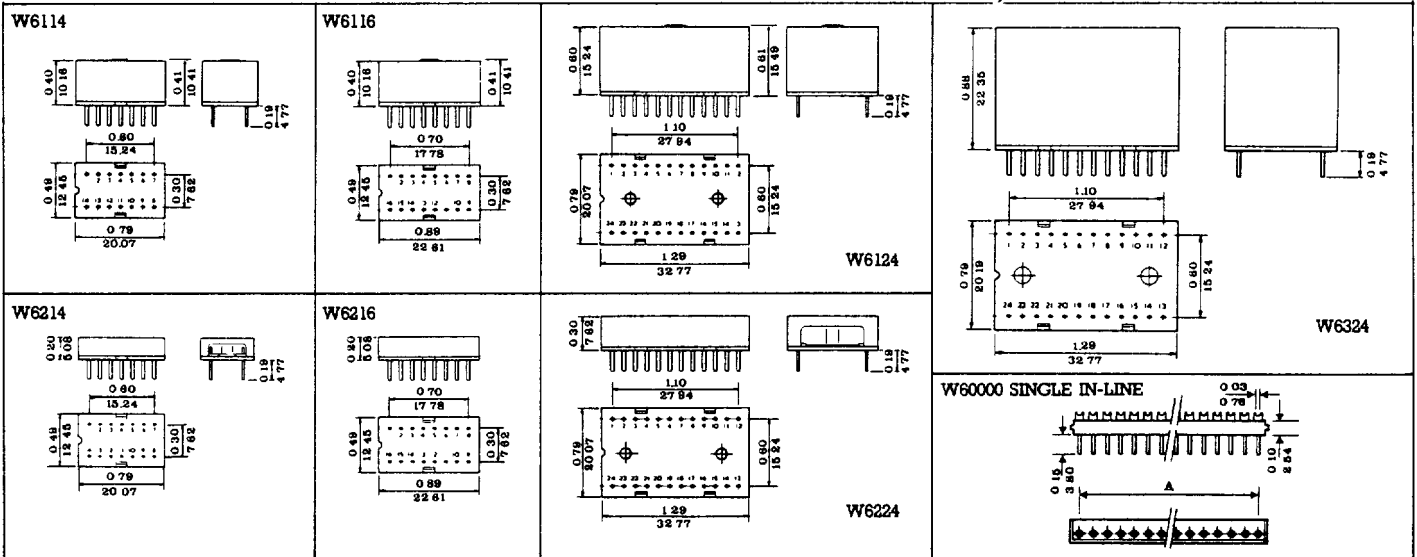
- Low cost
- Tuning fork (self-cleaning) contact
- Body lifts off PCB for surface solder inspection
- Double face wipe



PART NUMBER	NUMBER OF CONTACTS	DIMENSIONS		
		A	B	C
W3439-16ZT	16	21.46	20.32	19.05
W3439-18ZT	18	24.00	22.86	21.59
W3439-20ZT	20	26.54	25.40	24.13

# SERIES W6200 COMPONENT HEADERS

- DIL and SIL configurations
- Various cover heights
- Suitable for epoxy potting



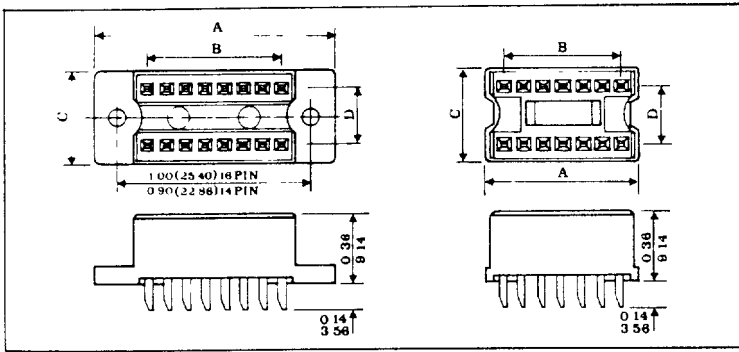
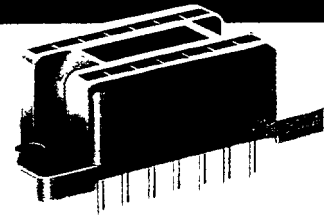
PART NUMBER	COVER TYPE	CONFIGURATION	NUMBER OF PINS	PART NUMBER	COVER TYPE	CONFIGURATION	NUMBER OF PINS	PART NUMBER	COVER TYPE	CONFIGURATION	NUMBER OF PINS
W6014	NONE	DIL	14	W6024	NONE	DIL	24	W60004	NONE	SIL	4
W6114	LOW	DIL	14	W6124	LOW	DIL	24	W60008	NONE	SIL	8
W6214	TALL	DIL	14	W6224	TALL	DIL	24	W60010	NONE	SIL	10
W6016	NONE	DIL	16	W6324	VERY TALL	DIL	24	W60012	NONE	SIL	12
W6116	LOW	DIL	16					W60016	NONE	SIL	16
W6216	TALL	DIL	16					W60020	NONE	SIL	20
								W60024	NONE	SIL	24

\* Detailed drawings available from your nearest Winslow sales office. All dimensions shown are typical.



## SERIES W3460 TEST SOCKETS

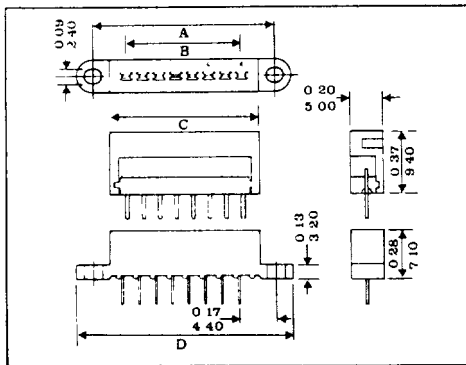
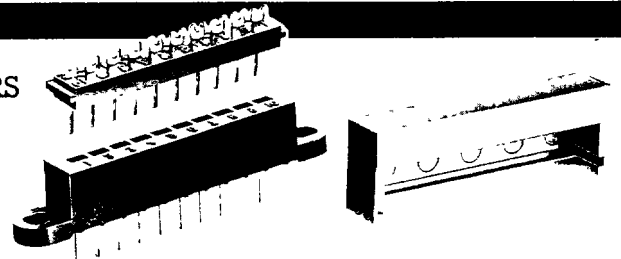
- Chassis or PCB mounting ● Heavy gold plating
- Large robust beryllium copper contacts ● With or without fixing lugs



PART NUMBER	WITH LUGS	NUMBER OF CONTACTS	A	B	C	D
W3460-14	NO	14	0 780	0 600	0 486	0 300
			19 812	15 240	12 344	7 620
W3461-14	YES	14	1 250	0 600	0 486	0 300
			31 750	15 240	12 344	7 620
W3460-16	NO	16	0 880	0 700	0 486	0 300
			22 352	17 780	12 344	7 620
W3461-16	YES	16	1 250	0 700	0 486	0 300
			31 750	17 780	13 344	7 620

## SERIES W3480 SINGLE IN LINE CONNECTORS

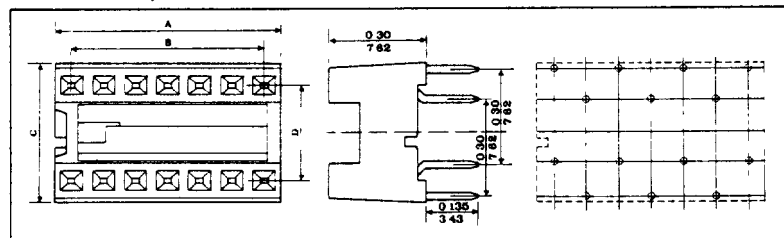
- PCB mounting sockets ● Solder terminals ● 4 to 24 contacts
- 1-micron gold-plated phosphor bronze contacts



PART NUMBER	NUMBER OF PINS	A	B	C	D	PART NUMBER	NUMBER OF PINS	A	B	C	D
W3480-4	4	0 700	0 399	0 500	0 900	W3480-16	16	1 900	1 500	1 700	2 100
		17 800	7 600	12 700	22 900			48 300	38 100	43 200	53 400
W3480-8	8	1 010	0 700	0 900	1 320	W3480-20	20	2 300	1 900	2 100	2 500
		27 900	17 800	22 900	33 000			58 400	48 300	53 400	63 500
W3480-10	10	1 320	0 900	1 010	1 500	W3480-24	24	2 700	2 300	2 500	2 900
		33 000	22 900	27 900	38 100			68 600	58 400	63 500	73 700
W3480-12	12	1 500	1 010	1 320	1 700						
		38 100	27 900	33 000	43 200						

## SERIES W3490 DIL TO QIL SOCKETS

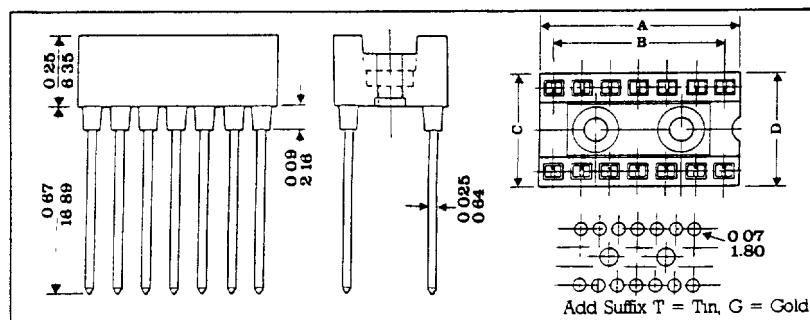
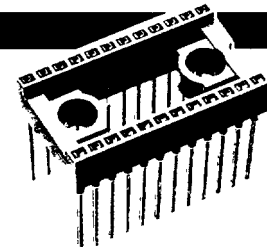
- Dual in-line in to quad in-line out ● 0.2" equivalent PCB pitch with no loss in board space
- Excellent for very fast flow solder lines ● Eliminates solder short circuits
- Plastic body is removable for ease of PCB inspection Other pin outs on application to Sales Office



PART NUMBER	NUMBER OF CONTACTS	A	B	C	D
W3490-14Q	14	0 695	0 600	0 430	0 300
		17 650	15 240	10 922	7 620
W3490-16Q	16	0 795	0 700	0 430	0 300
		20 190	17 780	10 922	7 620
W3490-18Q	18	0 895	0 800	0 430	0 300
		22 730	20 320	10 922	7 620

## SERIES W3700 WIRE WRAP SOCKETS

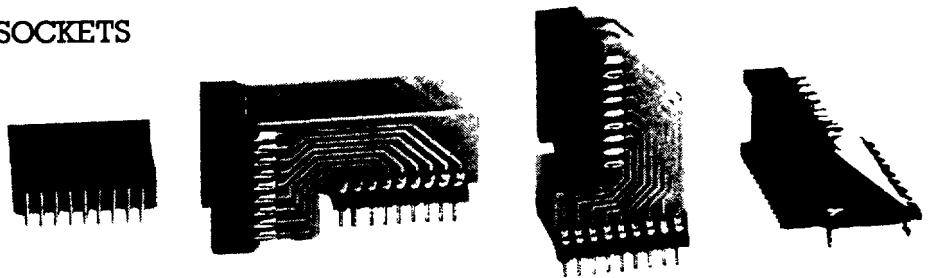
- End and side stackable ● Up to 3 wraps per socket ● Low cost stamped contacts



PART NUMBER	NUMBER OF PINS	A	B	C
W3714	14	0 700	0 600	0 400
		17 780	15 240	10 160
W3716	16	20 320	17 780	10 160
		20 320	17 780	10 160
W3724	24	1 200	1 100	0 700
		30 480	27 940	17 780

# SERIES W3450 OPTO SOCKETS

- PCB construction
- For accurate digit alignment
- Will accept 0.5mm wire leads or 0.64 x 0.4mm lead frame
- 4 different mounting styles



<b>W3450-01T</b> 	<b>W3450-02T</b> 	<b>W3450-03T</b> 	<b>W3450-04T</b> 
<b>W3450-05T</b> 	<b>W3450-06T</b> 	<b>W3450-07T</b> 	<b>W3450-08T</b> 
<b>W3450-13T</b> 	<b>W3450-14T</b> 	<b>W3450-15T</b> 	<b>W3450-16T</b> 
<b>W3450-09T</b> 	<b>W3450-10T</b> 	<b>W3450-11T</b> 	<b>W3450-12T</b> 

PART NUMBER	MOUNTING STYLE	TERMINAL TYPE	NUMBER OF CONTACTS	PITCH	PART NUMBER	MOUNTING STYLE	TERMINAL TYPE	NUMBER OF CONTACTS	PITCH
W3450-01T	PCB	Lead frame	14	0.30	W3450-13T	Low line 90°	Lead frame	16	0.30
W3450-02T	Low line 90°	Lead frame	14	0.30	W3450-14T	High line 90°	Lead frame	16	0.30
W3450-03T	High line 90°	Lead frame	14	0.30	W3450-15T	Side line 90°	Lead frame	16	0.30
W3450-04T	Side line 90°	Lead frame	14	0.30	W3450-16T	PCB	Lead frame	16	0.30
W3450-05T	PCB	Wire	14	0.30	W3450-9T	PCB	Wire	18	0.60
W3450-6T	Low line 90°	Wire	14	0.30	W3450-10T	Low line 90°	Wire	18	0.60
W3450-7T	High line 90°	Wire	14	0.30	W3450-11T	High line 90°	Wire	18	0.60
W3450-8T	Side line 90°	Wire	14	0.30	W3450-12T	Side line 90°	Wire	18	0.60

## PCB MOUNTING

Styled on a conventional DIL socket for mounting displays onto a PCB at any angle.

## LOW LINE 90° MOUNTING

For mounting displays at 90° to the PCB keeping the lowest profile possible. With this configuration, the bottom of the display will be below the level of the PCB.

## HIGH LINE 90° MOUNTING

Also for mounting displays at 90° to the PCB but with a much higher stand-off. With this socket, the display will be substantially above PCB level.

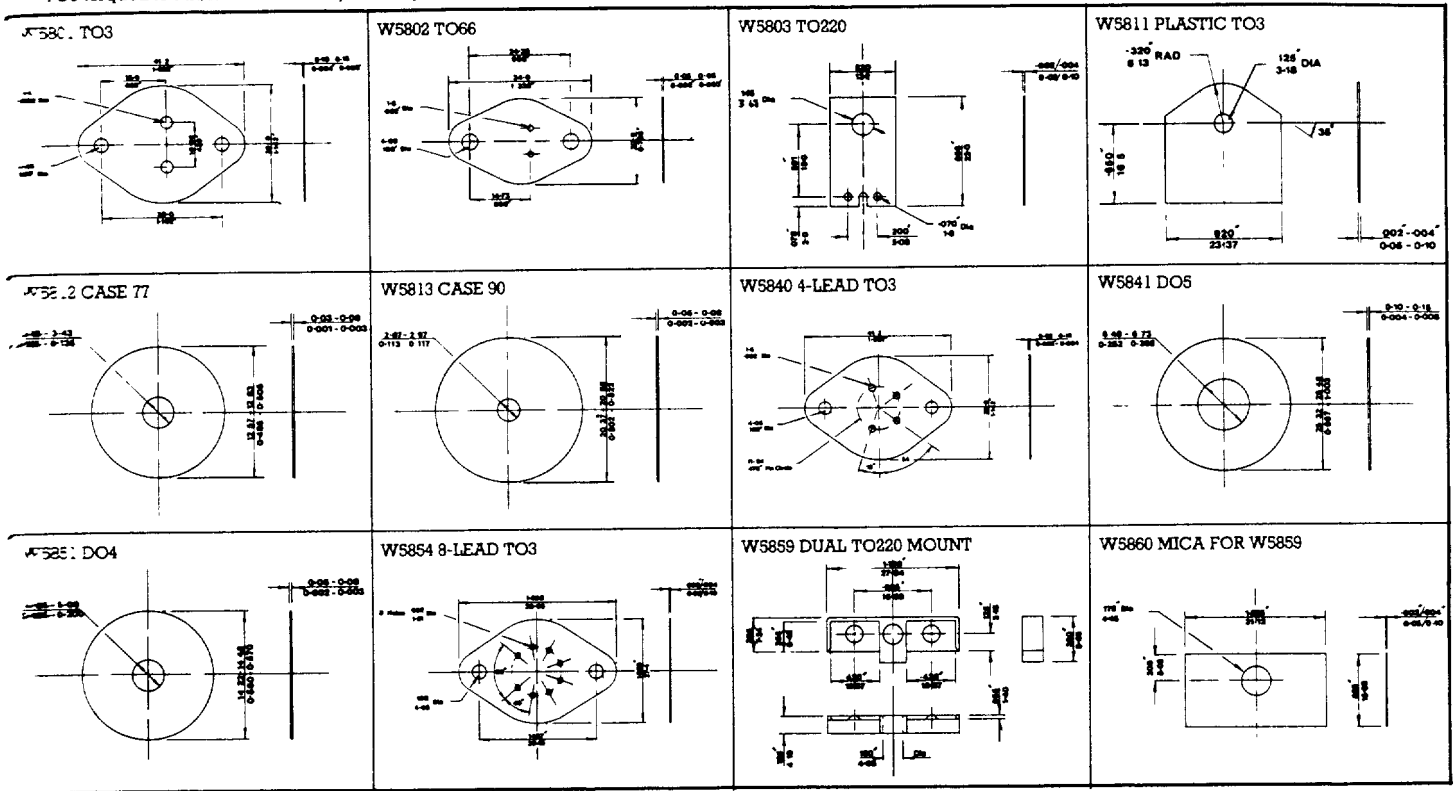
## SIDE LINE 90° MOUNTING

Ideal for multi-digit displays or for mounting devices on vertical PCBs

- Contact Winslow Sales Office for details of other pin-outs.

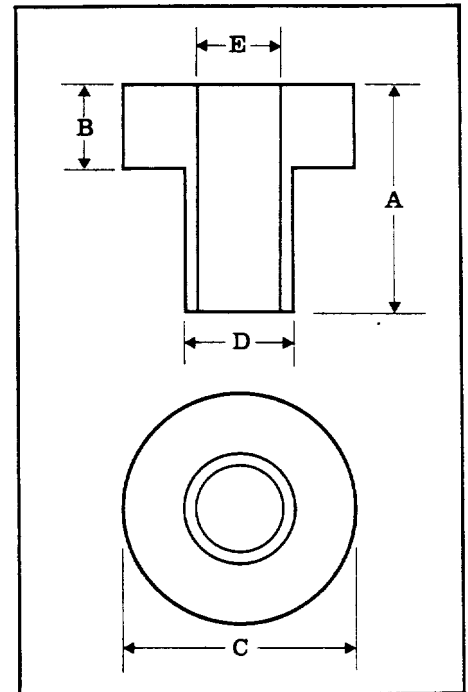
# SERIES W5800 MICA WASHERS

●  $\epsilon = 0.34^{\circ}\text{C}/\text{W}^{\circ}$  ● Maximum operating temperature 550°C ● Dielectric strength 3-6000v/ml  
 \* TO3 torqued to 6 in/lbs with thermal joint compound



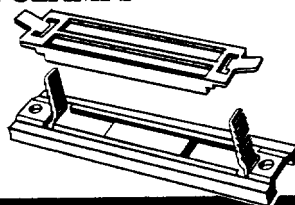
# SERIES W5800 INSULATING BUSHES

PART NUMBER	A	B	C	D	E
W5805	1.65	0.56	5.46	3.68	3.05
W5817	1.90	0.53	6.09	2.97	2.54
W5821	6.36	1.43	6.10	3.81	3.05
W5822	4.37	1.19	6.10	3.81	3.05
W5823	1.78	1.14	6.10	3.81	3.05
W5824	3.05	0.81	10.16	6.35	4.83
W5825	3.68	1.14	5.97	3.81	2.85
W5826	2.41	1.14	6.10	3.81	3.05
W5827	4.90	1.02	6.10	3.81	3.05
W5828	2.03	1.02	7.11	4.75	3.18
W5829	3.18	1.91	7.87	3.81	3.05
W5830	1.65	1.02	7.92	5.59	4.39
W5831	3.96	1.60	8.50	4.83	3.61
W5832	2.29	1.27	9.40	6.35	3.94
W5833	3.81	2.54	9.40	6.35	3.94
W5838	9.30	1.37	6.10	3.81	3.05
W5839	4.70	0.71	6.23	3.56	2.92
W5856	3.18	1.27	6.10	3.68	3.05
W5857	3.68	1.14	5.59	3.45	2.54

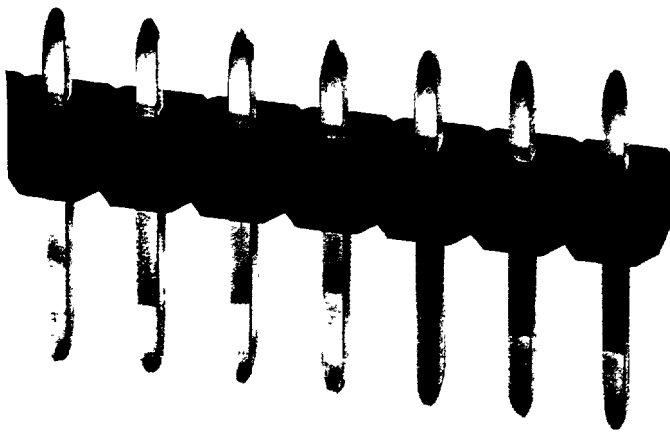


# SERIES W7700 CABLE CLAMPS

PART NUMBER	CABLE SIZE
W7700A	Up to 26-way
W7700B	Up to 40-way
W7700C	Up to 64-way



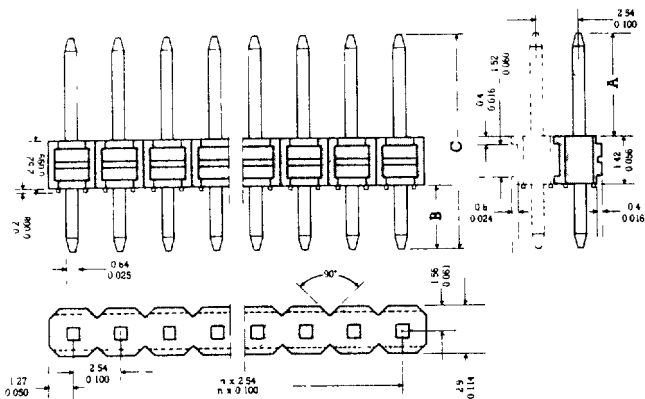
- Perfect solution to flat cable routing problems
- Locks cable securely, can be released using one hand
- Three sizes — for use with up to 64-way cable
- Will stack from 1 to 8 cables 0.035" (0.89mm) thick
- Can be fixed with rivets, bolts, screws or adhesive pads



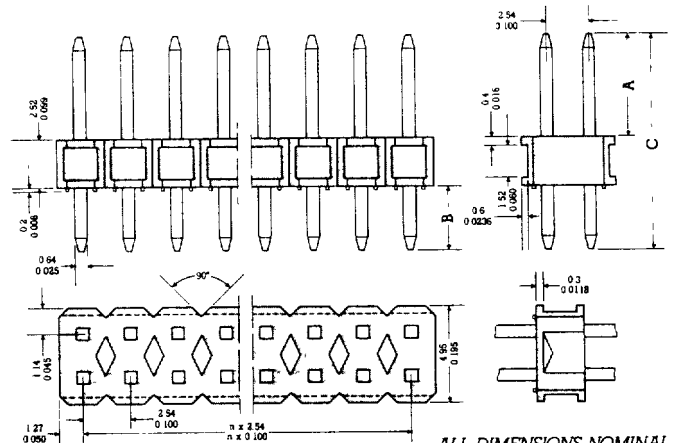
# SERIES W81150/W821100

## UNSHROUDED HEADERS 180°

- Single in-line and dual in-line
- From 2 to 100 contacts
- Tongued and grooved for accurate side-by-side stacking
- Smooth edges and ends
- All-over plating (including tops)
- Several plating options
- Many pin length options
- Pre-scored mouldings ● UL94V-0 rated material



ALL DIMENSIONS NOMINAL



ALL DIMENSIONS NOMINAL

PART NUMBER SIL 180°	DIMENSIONS		TOTAL PIN LENGTH 'C'
	A	B	
W81150(XXX)23	7.50	2.54	10.58
W81150(XXX)24	9.00	2.54	14.08
W81150(XXX)25* *PREFERRED LENGTH — STOCK ITEM	7.00	3.00	12.54
W81150(XXX)26	8.50	3.00	14.04
W81150(XXX)27	12.90	3.00	18.44
W81150(XXX)28	7.00	5.11	14.65
W81150(XXX)29	12.70	5.11	20.35
W81150(XXX)30	5.70	5.80	14.04

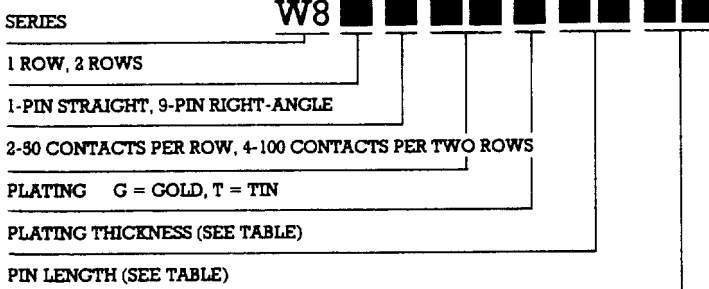
PART NUMBER DIL 180°	DIMENSIONS		TOTAL PIN LENGTH 'C'
	A	B	
W821100(XXX)23	7.50	2.54	10.58
W821100(XXX)24	9.00	2.54	14.08
W821100(XXX)25* *PREFERRED LENGTH — STOCK ITEM	7.00	3.00	12.54
W821100(XXX)26	8.50	3.00	14.04
W821100(XXX)27	12.90	3.00	18.44
W821100(XXX)28	7.00	5.11	14.65
W821100(XXX)29	12.70	5.11	20.35
W821100(XXX)30	5.70	5.80	14.04

Gold XXX = Surface Plating Please complete Part Number as follows:  
 G03 = 0.30µ Gold over 1.27µ Nickel (12µ inch Gold over 50µ inch Nickel)  
 G08 = 0.80µ Gold over 1.27µ Nickel

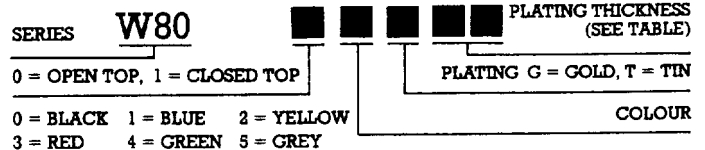
All-over Tin/Lead Plating  
 T38 = 3.8µ Tin/Lead over 1.27µ Nickel (150µ inch Tin over 50µ inch Nickel)  
 Other Platings and Pin Lengths available on request.

### PART NUMBER EXPLANATIONS

#### UNSHROUDED HEADERS



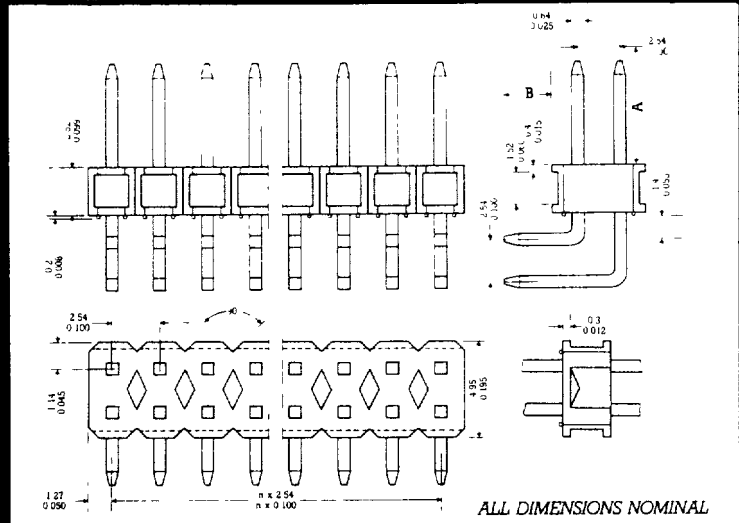
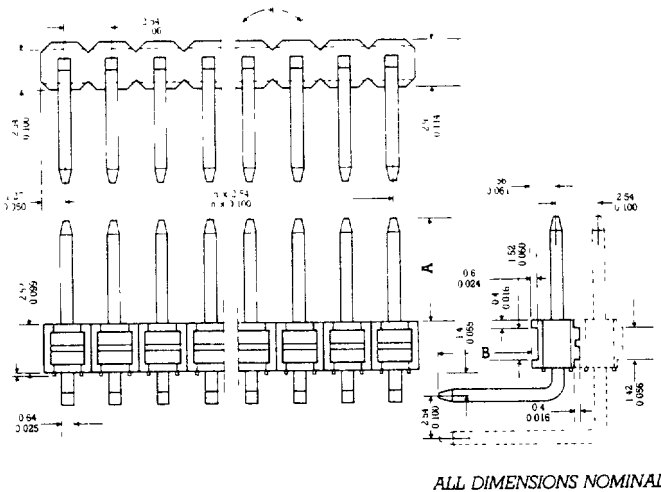
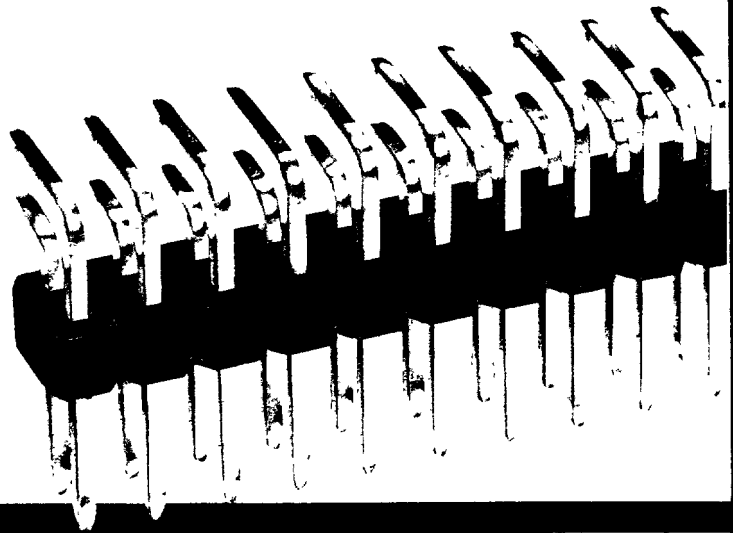
### SHORTING LINKS



# SERIES W81950/W829100

## UNSHROUDED HEADERS 90°

- Single in-line and dual in-line
- From 2 to 100 contacts
- Tongued and grooved for accurate side-by-side stacking
- Smooth edges and ends
- All-over plating (including tops)
- Several plating options
- Many pin length options
- Pre-scored mouldings ● UL94V-0 rated material



PART NUMBER SIL 90°	DIMENSIONS	
	A	B
W81950(XXX)25* *PREFERRED LENGTH — STOCK ITEM	7 00	3 00
W81950(XXX)31	7 40	2 54
W81950(XXX)32	13 00	2 54
W81950(XXX)33	12 50	3 00
W81950(XXX)34	4 80	5 11
W81950(XXX)35	5 70	5 11
W81950(XXX)36	9 70	5 80

PART NUMBER DIL 90°	DIMENSIONS	
	A	B
W819100(XXX)25* *PREFERRED LENGTH — STOCK ITEM	7 00	3 00
W819100(XXX)31	7 40	2 54
W819100(XXX)32	13 00	2 54
W819100(XXX)33	12 50	3 00
W819100(XXX)34	4 80	5 11
W819100(XXX)35	5 70	5 11
W819100(XXX)36	9 70	5 80

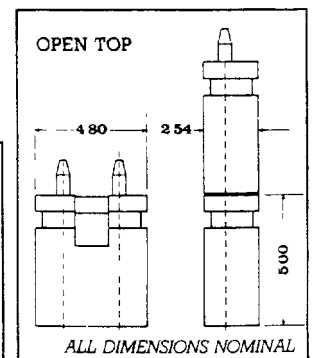
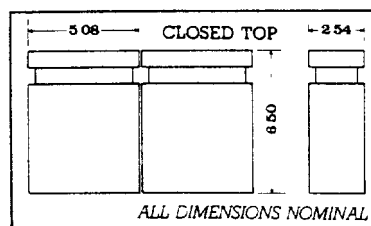
**Gold** XXX = Surface Plating Please complete Part Number as follows  
 G03 = 0.30µ Gold over 1.27µ Nickel (12µ inch Gold over 50µ inch Nickel)  
 G08 = 0.80µ Gold over 1.27µ Nickel

**All-over Tin/Lead Plating**  
 T38 = 3.8µ Tin/Lead over 1.27µ Nickel (150µ inch Tin over 50µ inch Nickel)  
 Other Platings and Pin Lengths available on request

# SERIES W8000/W8010 SHORTING LINKS

- Designed for use with Winslow Unshrouded Headers ● Low contact resistance
- Open-ended option permits stacking and probe testing ● Nail grip for ease of removal
- Low insertion/withdrawal forces ● Colour choice for programme coding

PART NUMBER OPEN TOP	PART NUMBER CLOSED TOP	COLOUR
W8000(XXX)	W8010(XXX)	Black
W8001(XXX)	W8011(XXX)	Blue
W8002(XXX)	W8012(XXX)	Yellow
W8003(XXX)	W8013(XXX)	Red
W8004(XXX)	W8014(XXX)	Green
W8005(XXX)	W8015(XXX)	Grey



XXX = Surface plating Please complete Part Number as follows

G05 = 0.150µ Gold over 1.50µ Nickel (20µ inch Gold over 60µ inch Nickel)

T50 = 5.00µ Tin (200µ inch Tin) Other Platings and Pin Lengths available on request

SEE BACK PAGE FOR SPECIFICATIONS

