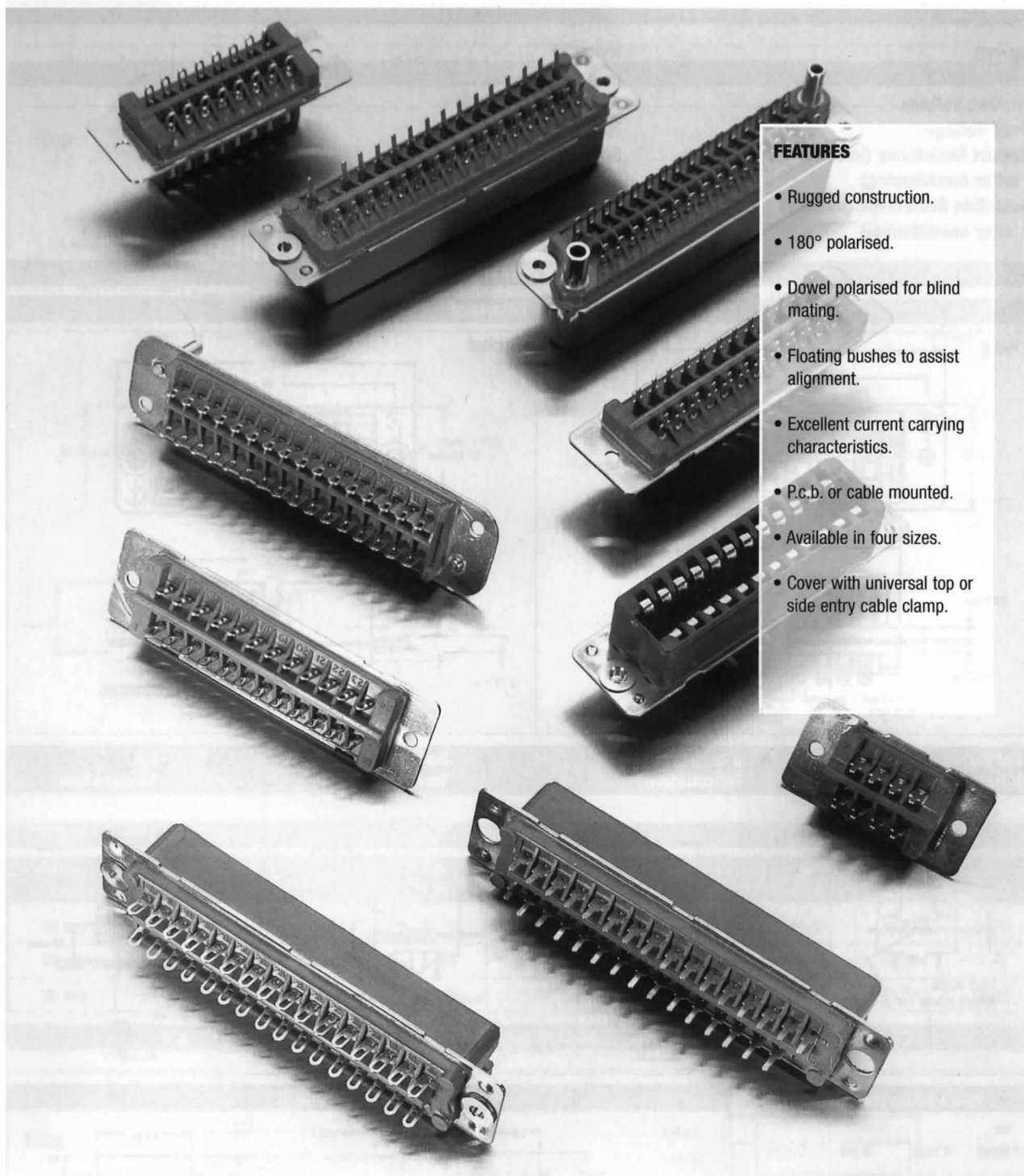


RED RANGE

Industrial Rack and Panel Connectors



FEATURES

- Rugged construction.
- 180° polarised.
- Dowel polarised for blind mating.
- Floating bushes to assist alignment.
- Excellent current carrying characteristics.
- P.c.b. or cable mounted.
- Available in four sizes.
- Cover with universal top or side entry cable clamp.

ITW McMurdo Connectors
Norway Road, Hilsea
Portsmouth
PO3 5HT
England
Tel: +44 (0)23 9269 4971
Fax: +44 (0)23 9265 3356

TECHNICAL DATA

Materials

Insulator	Nylon PF or Diallyl-phthalate (D.A.P.)
Contact	Copper alloy plated hard acid gold
Mounting plates	Stainless Steel
Latching screws & bushes	Mild steel bright nickel plate
Dowels	Brass nickel plate
Covers	Aluminium alloy

Mechanical

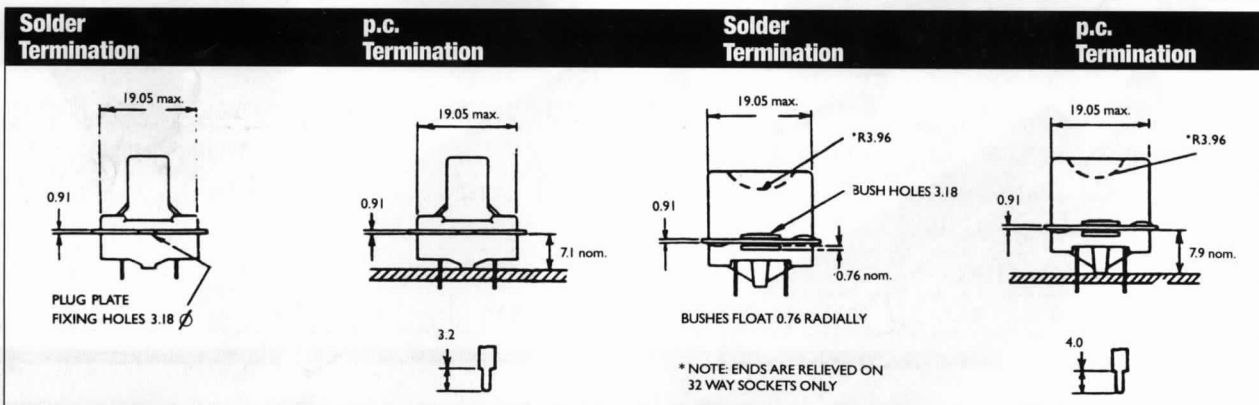
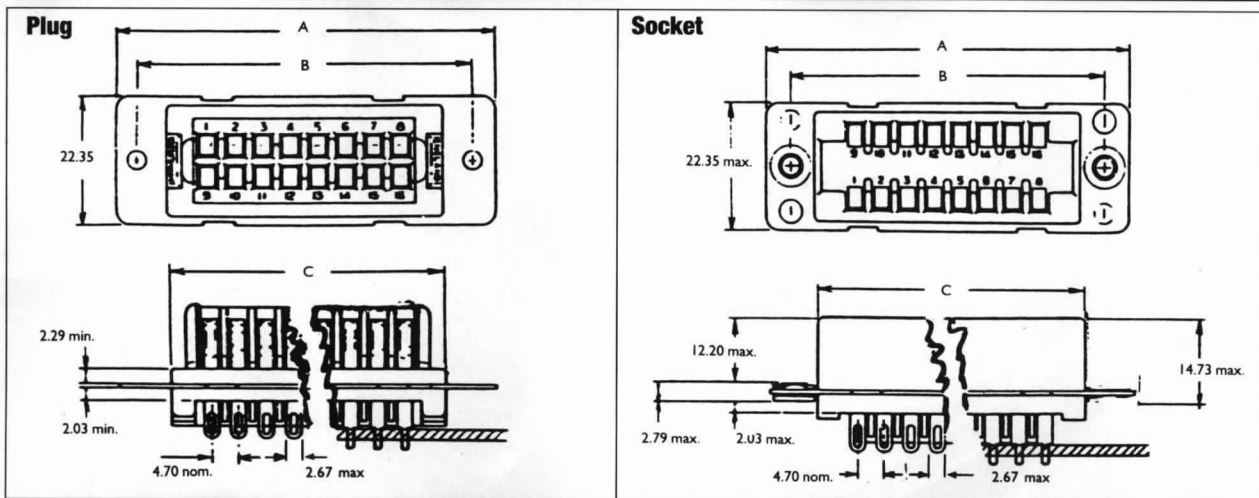
	Nylon PF	D.A.P.
Mechanical operations	500	500
Insertion and withdrawal forces (contact pair)	2.3N max. /0.8 min.	2.3N max. /0.8 min.
Climatic category	40/100/21	55/125/56

Electrical

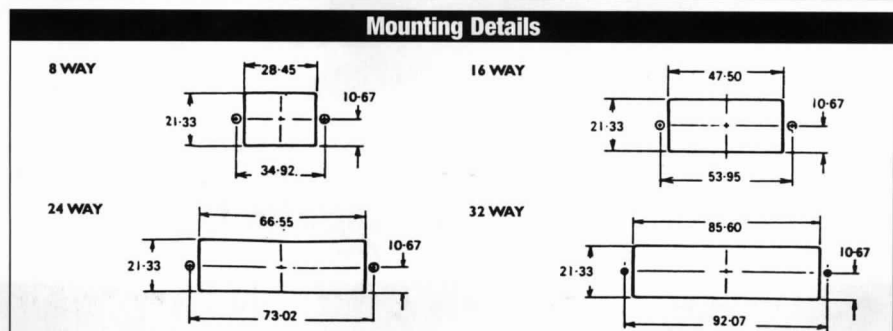
	Nylon PF	D.A.P.
Current		
All contacts simultaneously	at 80°C Tamb. 5A max.	at 100°C Tamb. 5A max.
Working Voltage	800Vd.c. or a.c. peak	800Vd.c. or a.c. peak
Proof Voltage	3.5k Vd.c. or a.c. peak	3.5kVd.c. or a.c. peak
Contact Resistance (initially)	5mΩ max.	5mΩ max.
(after conditioning)	10mΩ max.	10mΩ max.
Insulation Resistance (initially)	10 ⁹ MΩ min.	10 ⁷ MΩ min.
(after conditioning)	10 ⁶ MΩ min.	10 ⁶ MΩ min.

Outline Dimensions

Barrier Polarised

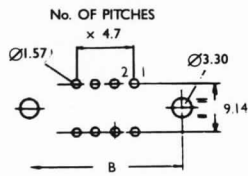


Plug & Socket Dimensions			
No. of Ways	A max	B crs	C max
8	43.94	34.92	26.42
16	62.99	53.97	45.47
24	82.04	73.02	64.52
32	101.09	92.07	83.57

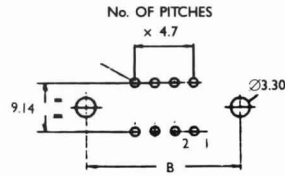


P.C.B. Layout

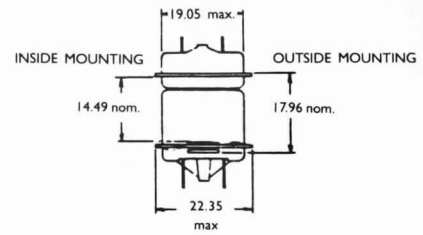
View from rear of plug



View from rear of sockets

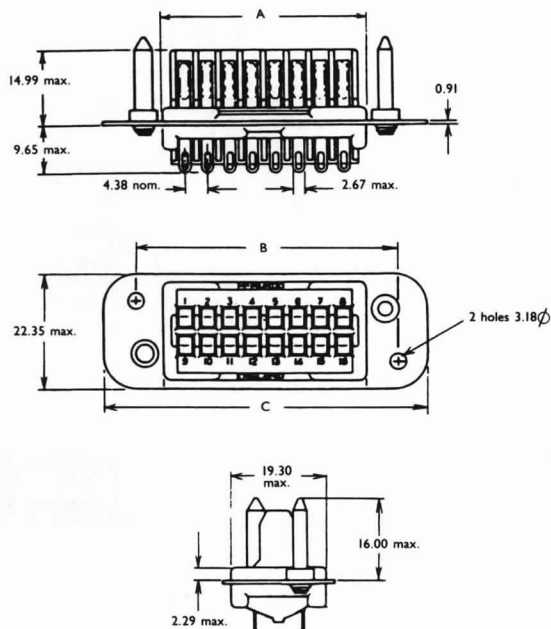


Barrier polarised plug and socket mated

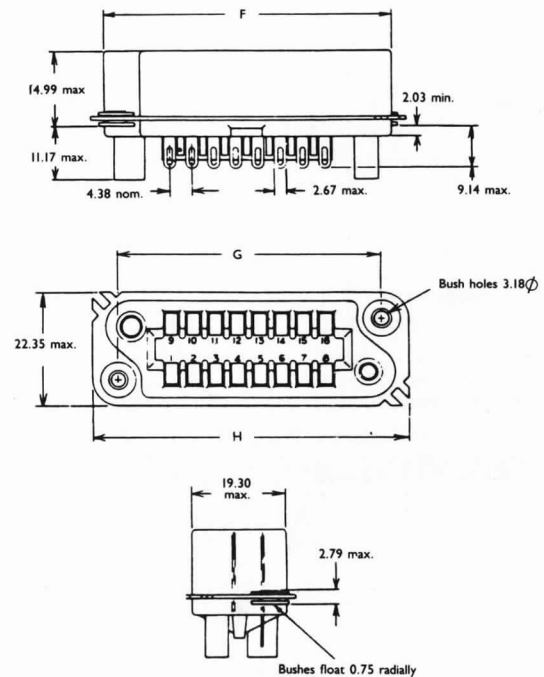


Dowel Polarised

Plug



Socket



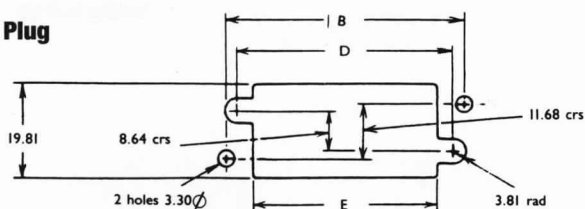
Dimensions

No. of ways	A max.	B crs.	C max.	D crs.	E nom.	F max.	G crs.	H max.	I crs.	J nom.
16 way	39.65	51.41	62.15	46.79	40.64	57.90	51.61	61.98	46.81	44.70
24 way	57.02	68.68	79.45	64.06	57.91	74.17	68.48	79.32	63.58	61.72
32 way	74.50	85.95	96.77	81.33	75.54	91.95	85.95	96.65	81.33	79.48

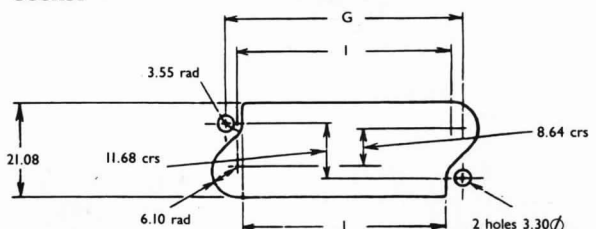
Mounting Details

From wiring side

Plug



Socket

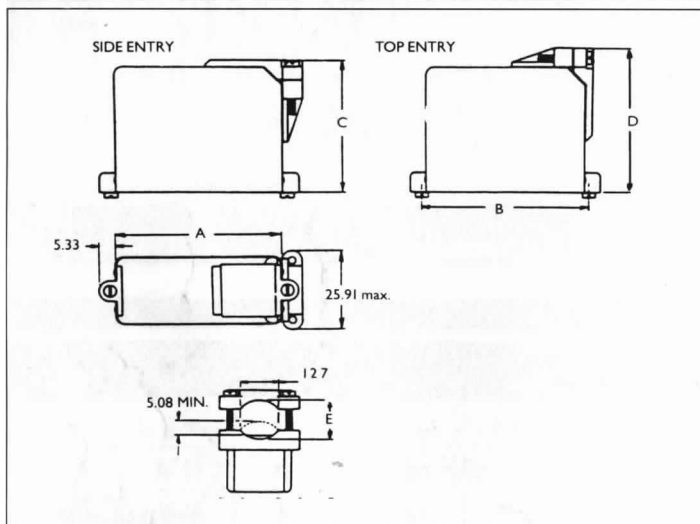


ORDERING INFORMATION

Description			Order Code	
Style	Gender	No of Ways	Moulding Material	
			Nylon PF	Diallyl-Phthalate
Barrier Polarised	Plug	8	RP8	DRP108
		16	RP16	DRP116
		24	RP24	DRP124
		32	RP32	DRP132
	Socket	8	RS8*	DRS108*
		16	RS16*	DRS116*
		24	RS24*	DRS124*
		32	RS32*	DRS132*
Barrier Polarised P.C.B. Tail	Plug	8	RP8-T	DRP108-T
		16	RP16-T	DRP116-T
		24	RP24-T	DRP124-T
		32	RP32-T	DRP132-T
	Socket	8	RS8P-T	DRS108P-T
		16	RS16P-T	DRS116P-T
		24	RS24P-T	DRS124P-T
		32	RS32P-T	DRS132P-T
Dowel Polarised	Plug	16	RPD16	DRPD116
		24	—	DRPD124
		32	—	DRPD132
	Socket	16	RSD16	DRSD116
		24	—	DRSD124
		32	—	DRSD132

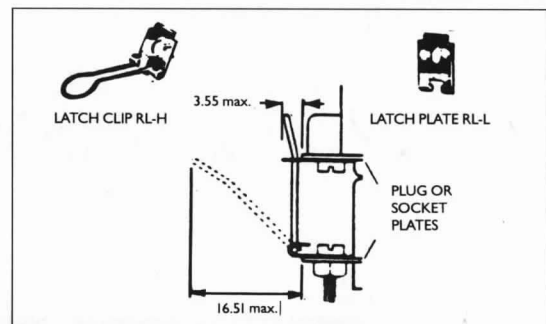
*Sockets are normally supplied with floating bushes to assist alignment when mounted on racks and chassis. For sockets without floating bushes – add **P** to end of order code e.g. Order code RS24P.

Accessories



Contact Arrangement	A max.	B crs.	C max.	D max.	E max.
8	32.51	34.92	36.83	40.89	9.40
16	51.56	53.97	43.18	47.24	12.70
24	70.61	73.02	43.18	47.24	15.74
32	89.66	92.07	43.18	47.24	15.74

Cover Ordering Information			
Size	Order Code	Size	Order Code
8	RC108	24	RC124
16	RC116	32	RC132



COVER with LATCHING CLIPS

Latching clips are supplied separately, 2 off each per assembly. When the latching clips are fitted to sockets it is advisable to use sockets without the floating bushes - add **P** to end of order code.

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