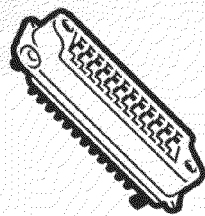


RED RANGE

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.

McMurdo

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

Current
All contacts simultaneously

Working Voltage

Proof Voltage

Contact Resistance (initially)
(after conditioning)

Insulation Resistance (initially)
(after conditioning)

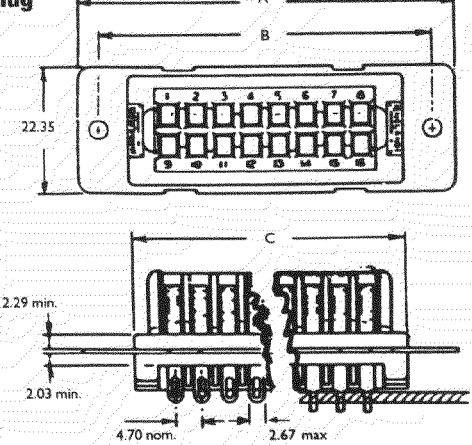
Nylon PF
at 80°C Tamb. 5A max.
800Vd.c. or a.c. peak
3.5k Vd.c. or a.c. peak
5mΩ max.
10mΩ max.
10⁹MΩ min.
10⁹MΩ min.

D.A.P.
at 100°C Tamb. 5A max.
800Vd.c. or a.c. peak
3.5kVd.c. or a.c. peak
5mΩ max.
10mΩ max.
10⁹MΩ min.
10⁹MΩ min.

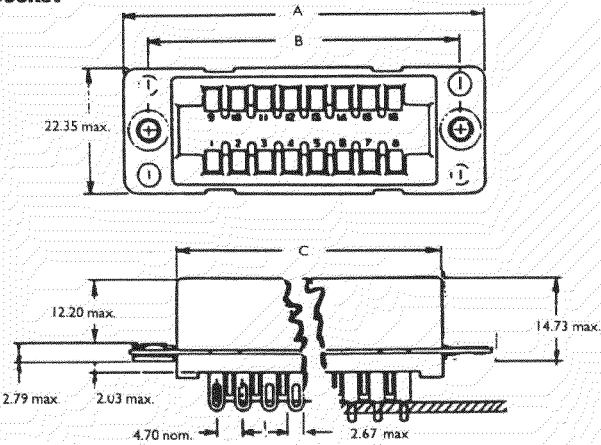
Outline Dimensions

Barrier Polarised

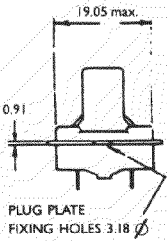
Plug



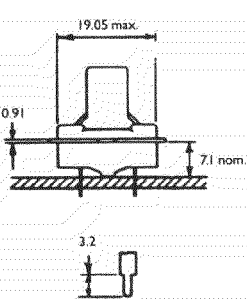
Socket



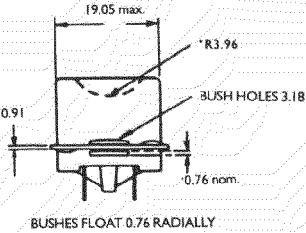
Solder Termination



p.c. Termination

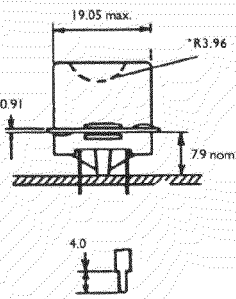


Solder Termination



* NOTE: ENDS ARE RELIEVED ON 32 WAY SOCKETS ONLY

p.c. Termination

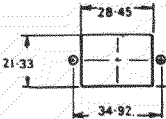


Plug & Socket Dimensions

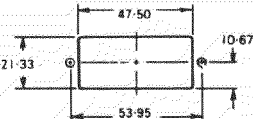
No. of Ways	A max	B crs	C max
8	43.94	34.92	26.42
16	62.99	53.97	45.47
24	82.04	73.02	64.52
32	101.09	92.07	83.57

Mounting Details

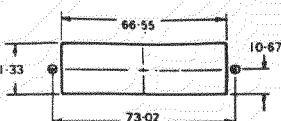
8 WAY



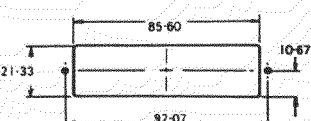
16 WAY



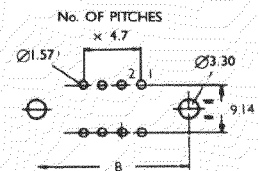
24 WAY



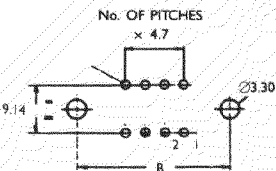
32 WAY



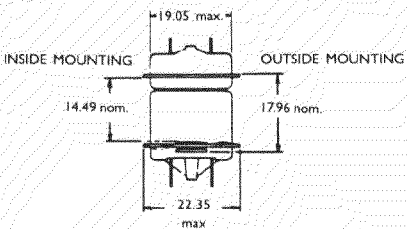
View from rear of plug



View from rear of sockets



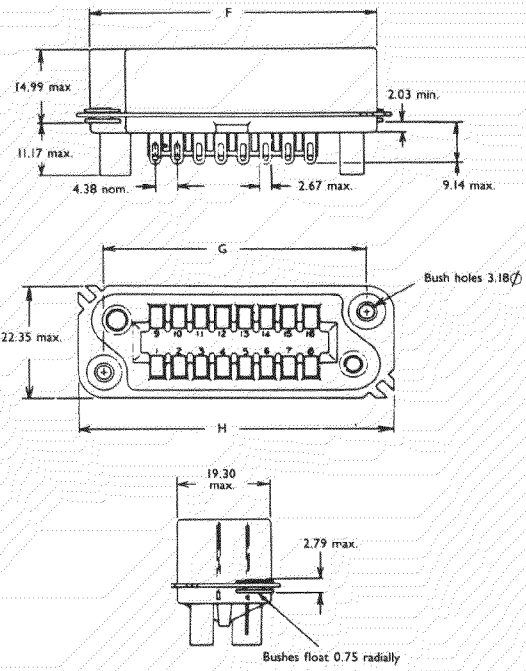
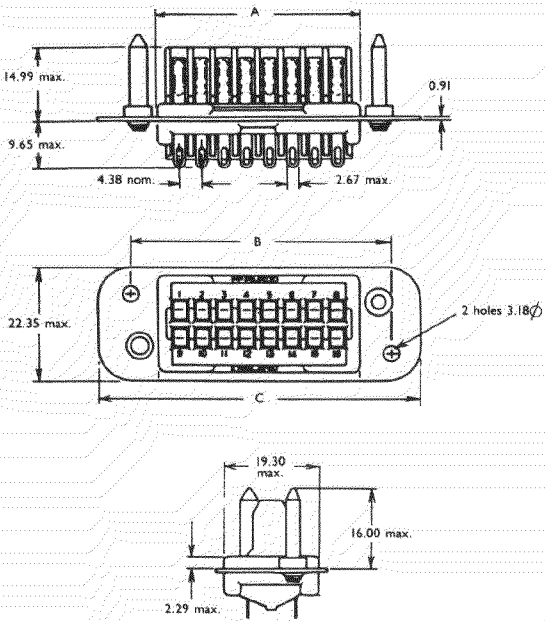
Barrier polarised plug and socket mated



Dowel Polarised

Plug

Socket



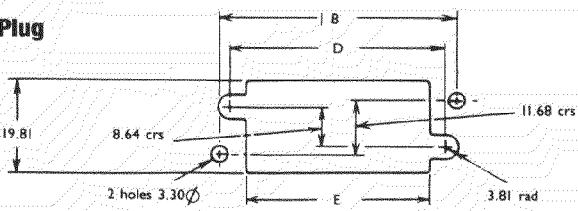
Dimensions

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

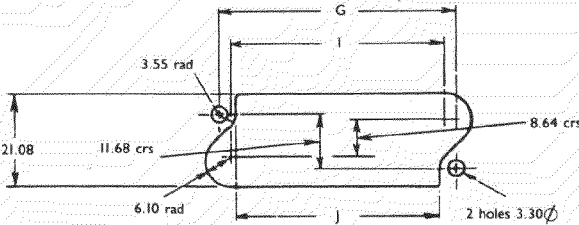
Mounting Details

From wiring side

Plug



Socket

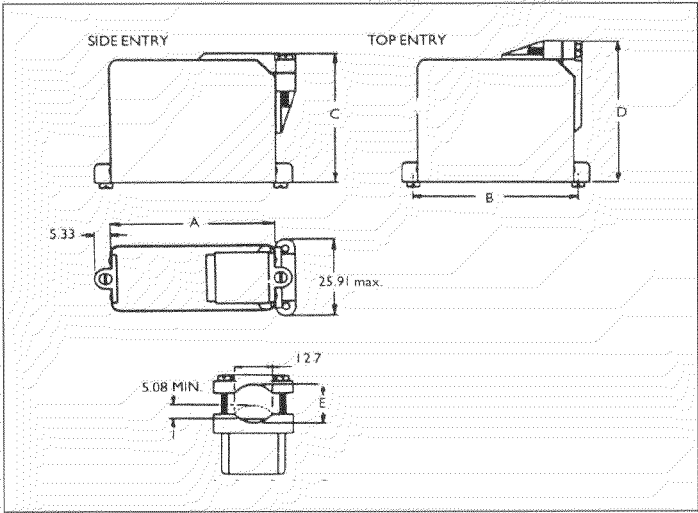


ORDERING INFORMATION

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.

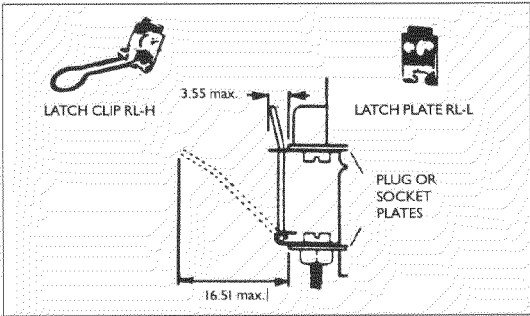
Accessories



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.

