

Quick Disconnect and Block Assemblies

The Quick Disconnect latch is an effective method of positively connecting 14-50 place MS-M HYFEN plugs and receptacles.

The Quick Disconnect latch consists of a hooked spring on the plug and a retainer on the receptacle. When the plug and receptacle are mated, the spring snaps onto the retainer and locks the plug and receptacle together. The connector halves can be separated by depressing the latch springs.

Material: Steel C1070 per MIL-S-8143

Finish: Nickel plate per QQ-N-290

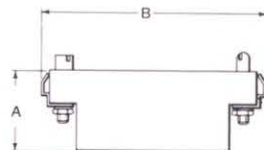


Fig. 1

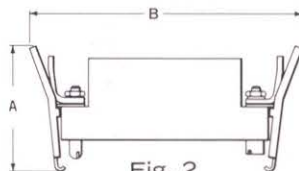


Fig. 2

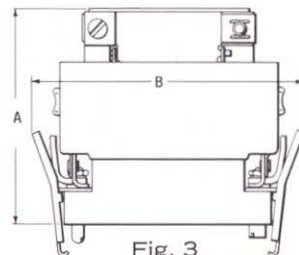


Fig. 3

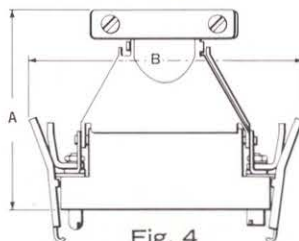


Fig. 4

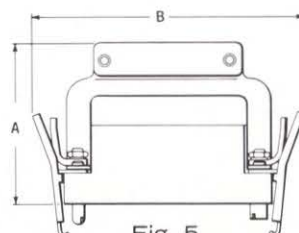


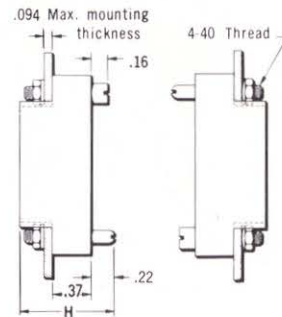
Fig. 5

Fig.	Body Size	Dimensions in Inches	
		"A" max.	"B" max.
		MS-M, MSD-M	all
Fig. 1 Quick Disconnect Latch Retainer with Block	14	.90	1.46
	20		1.77
	26		1.83
	34		2.20
	42		2.52
	50		2.81
Fig. 2 Quick Disconnect Latch Spring with Block	14	1.42	2.09
	20		2.40
	26		2.46
	34		2.84
	42		3.14
	50		3.43
Fig. 3 Quick Disconnect Latch with Suitcase Hood & Block	14	2.59	2.09
	20		2.40
	26		2.46
	34		2.84
	42		3.14
	50		3.43
Fig. 4 Quick Disconnect Latch with Clamshell Hood & Block	14	1.95	2.09
	20		2.40
	26		2.46
	34	2.27	2.84
	42		3.14
	50		3.43
Fig. 5 Quick Disconnect Latch with Cable Clamp & Block	14	1.66	2.09
	20		2.40
	26	1.83	2.46
	34	1.87	2.84
	42		3.14
	50		3.43

14-75 Place Blocks

Type MS-M, MSD-M

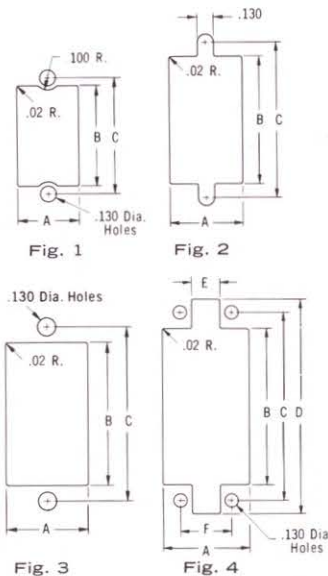
Block Size — All four block families have the same face dimensions. The number of contact positions given below must be used to complete the catalog numbers in the Ordering Chart on pages 8-9.



Block Family	Max. "H" In.	
	With Jackscrews	With Guide Pin & Socket
MS-M	1.13	1.10
MSD-M	1.13	1.10

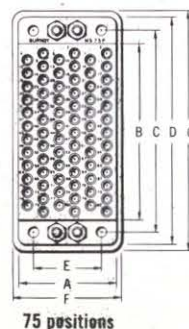
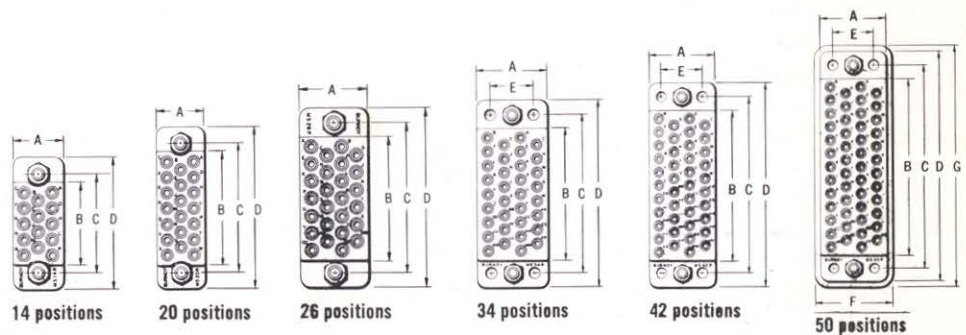
Panel Cutouts

All four block families have the same cutout dimensions for blocks with the same number of contact positions. Alternate methods of mounting, slot or hole, are indicated in the table.



No. of Positions	Fig. No.	Dimensions in Inches					
		A	B	C	D	E	F
14	1 or 2	.49	.82	.937	—	—	—
20	1 or 2	.49	1.13	1.250	—	—	—
26	2 or 3	.62	1.11	1.312	—	—	—
34	4	.78	1.44	1.686	1.94	.25	.468
42	4	.78	1.72	1.990	2.24	.25	.468
50	4	.78	2.03	2.281	2.53	.25	.468
75	4	1.14	2.03	2.281	2.53	.56	.764

Plug and Receptacle Dimensions



No. of Positions	Dimensions in Inches						
	A	B	C	D	E	F	G
14	.46	.79	.937	1.25	—	—	—
20	.46	1.10	1.250	1.56	—	—	—
26	.59	1.07	1.312	1.62	—	—	—
34	.75	1.41	1.686	2.00	.468	—	—
42	.75	1.69	1.990	2.31	.468	—	—
50	.75	2.00	2.281	2.59	.468	.87	2.72
75	1.11	2.00	2.281	2.59	.764	1.23	2.72

Ordering Chart For 14-75 Place Blocks

Each Receptacle will mate with one of three Plug configurations*		Page for Block Assy's	Catalog Numbers for all block families. Fill in Number of Positions "--": 14, 20, 26, 34, 42, 50, 75	
			Block: MS-M	MSD-M
			Contact: p30-36	p30-36
Receptacle assembled with guide pin & socket		7	MS--RM1	MSD--RM1
Plug assembled with guide pin & socket		7	MS--PM1	MSD--PM1
Plug assembled with guide pin & socket & clamshell hood		4	MS--PM120	MSD--PM120
Plug assembled with guide pin & socket & suitcase hood		3	MS--PM820	MSD--PM820
Plug assembled with guide pin & socket & cable clamp		4	MS--PM269	MSD--PM269
Receptacle assembled with guide pin & socket & quick disconnect latch retainer		6	MS--RM1C	MSD--RM1C
Plug assembled with guide pin & socket & quick disconnect spring		6	MS--PM1L	MSD--PM1L
Plug assembled with guide pin & socket, quick disconnect latch spring & clamshell hood		6	MS--PM120L	MSD--PM120L
Plug assembled with guide pin & socket, quick disconnect latch spring & suitcase hood		6	MS--PM820L	MSD--PM820L
Plug assembled with guide pin & socket, quick disconnect latch spring & cable clamp		6	MS--PM269L	MSD--PM269L
Receptacle assembled with guide pin & socket, pin protection skirt		5	MS--RM1S9	MSD--RM1S9
Plug assembled with guide pin & socket, pin protection skirt & clamshell hood		5	MS--PM120S9	MSD--PM120S9
Plug assembled with guide pin & socket, pin protection skirt & suitcase hood		5	MS--PM820S9	MSD--PM820S9
Plug assembled with guide pin & socket, pin protection skirt & cable clamp		5	MS--PM269S9	MSD--PM269S9

Each Receptacle will mate with one of three Plug configurations*	Page for Block Assy's	Catalog Numbers for all block families. Fill in Number of Positions "--": 14, 20, 26, 34, 42, 50, 75	
		Block: MS-M	MSD-M
		Contact: p30-36	p30-36
Receptacle assembled with keyed jacks 	7	MS--RM58	MSD--RM58
Plug assembled with rotating jacks 	7	MS--PM57	MSD--PM57
Plug assembled with rotating jacks & clamshell hood 	5	MS--PM124	MSD--PM124
Plug assembled with rotating jacks & suitcase hood 	3	MS--PM824	MSD--PM824
Plug assembled with rotating jacks & cable clamp 	4	MS--PM118	MSD--PM118
Receptacle assembled with keyed jacks & pin protection skirt 	5	MS--RM58S9	MSD--RM58S9
Plug assembled with rotating jacks, pin protection skirt & clamshell hood 	5	MS--PM124S9	MSD--PM124S9
Plug assembled with rotating jacks, pin protection skirt & suitcase hood 	5	MS--PM824S9	MSD--PM824S9
Plug assembled with rotating jacks, pin protected skirt & cable clamp 	5	MS--PM118S9	MSD--PM118S9

*Plug and receptacle configurations may be reversed by changing the "P" in the plug catalog number to "R" and the "R" in the receptacle to "P".

Special Purpose Hardware

Hardware	Block	Catalog Numbers of Block and Hardware Assemblies	
		MS-M	MSD-M
Guide Pin & Socket for .188 thick (max.) panel (standard .094" thick, page 3)	Plug	MS--PM61	MSD--PM61
	Receptacle	MS--RM61	MSD--RM61
Guide Socket with spring for grounding thru guide hardware	Plug	MS--PM60	MSD--PM60
	Receptacle	MS--RM60	MSD--RM60
Guide Pin with small shoulder diameter to provide added polarizing variables	Plug	MS--PM31	MSD--PM31
	Receptacle	MS--RM31	MSD--RM31