



USB 2.0 TYPE A CONNECTORS

MIL-DTL-38999 Series III Type Connectors



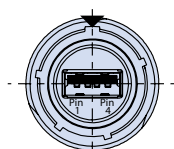
233-370 Feed-through receptacle



Feed-through
Front View

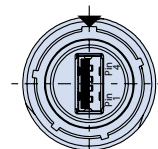
Part Number Development									
Sample Part Number	233-370	NF	00	-17	2	A	A	N	H
Basic Number	233-370								
Finish	See Material and Finish table								
Connector Style ¹	See Connector Style table								
Shell Size	15 or 17								
USB Performance	2 = USB 2.0								
USB Front Interface	A = Type A								
USB Rear Interface	A = Type A								
Alternate Polarization ¹	A, B, C, D, E, N = Normal								
USB Orientation	H = Horizontal V = Vertical								

USB Receptacle Orientation Options (Partial Views Shown)



Horizontal

▼ = Master Keyway



Vertical

Material and Finish

NF	Aluminum/cadmium, olive drab
M	Aluminum/electroless nickel
MT	Aluminum/nickel PTFE
ZR	Aluminum/black zinc-nickel

Connector Style

07	Rear panel mount, jam nut receptacle
00	Wall mount receptacle with slotted holes ²
D0	Wall mount receptacle with round holes
CM	Wall mount receptacle with metric clinch nuts

USB 2.0 Wiring

Pin	Name	Cable Color (USB)	Description	Recommended Wire Sizes (AWG)
1	(V Bus)	Red	+5 V	22
2	(D-)	White	Data -	28
3	(D+)	Green	Data +	28
4	(GND)	Black	Ground	22

NOTES

- See Section A for alternate key/keyway positions and panel cutout dimensions
- Front panel mount only
- Meets IP67 in unmated condition, IP68 mated
- Feedthru has front and rear USB female mating interface

Jam Nut Mount

Shell Size	Ø H		J		K Flat		L Thread
	in	mm	in	mm	in	mm	
15	1.638	41.61	1.516	38.51	1.066	27.08	M28 X 1.0-6G 0.100R
	1.614	41.00	1.484	37.69	1.056	26.82	
17	1.764	44.81	1.642	41.71	1.191	30.25	M32 X 1.0-6G 0.100R ⁴
	1.740	44.20	1.610	40.89	1.181	30.00	

Wall Mount

Shell Size	A Thread		B Sq		C Bsc		D Bsc ²		E		F		Ø G Holes	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
15	1.0000-.1P-.3L-TS-2A	1.232 1.208	31.29 30.68	.969	24.61	.906	23.01	.136 0.120	3.45 3.05	0.181 0.165	4.60 4.19	0.136 0.120	3.45 3.05	
17	1.1875-.1P-.3L-TS-2A	1.323 1.299	33.60 32.99	1.062	26.97	.969	24.61							



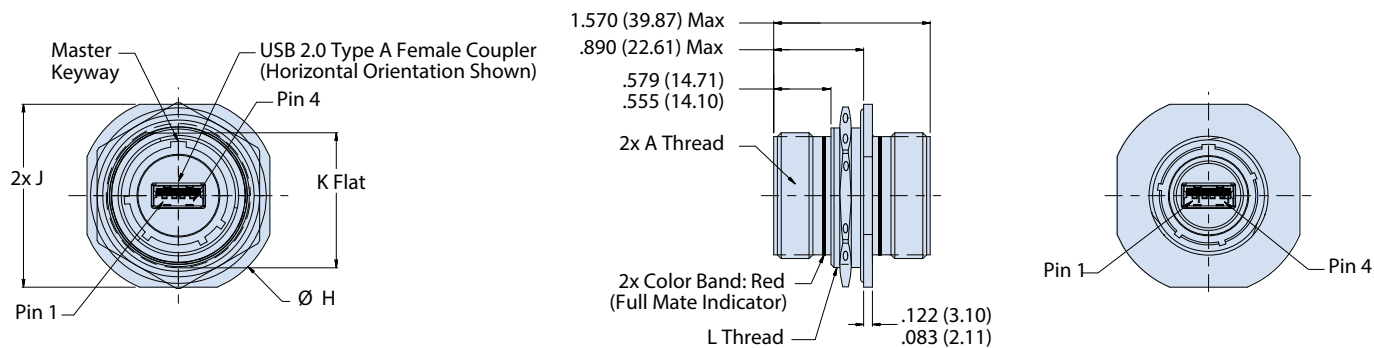
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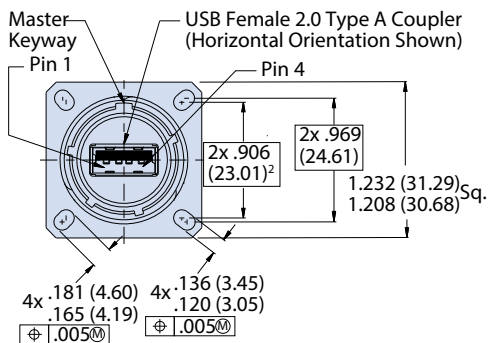
233-370 Feed-through receptacle

07 - REAR PANEL MOUNT, JAM NUT RECEPTACLE

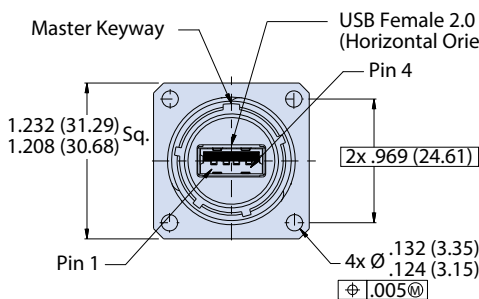


00, D0 AND CM - WALL MOUNT RECEPTACLES

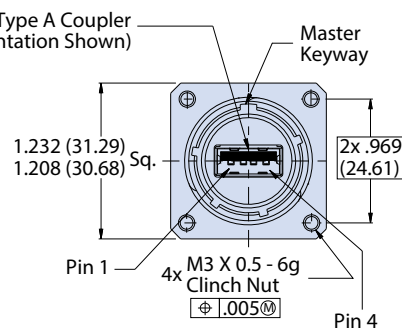
00 - Slotted Hole Receptacle Face View



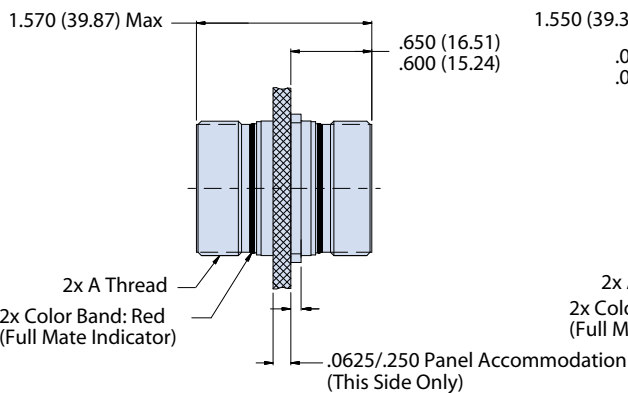
D0 - Round Hole Receptacle Face View



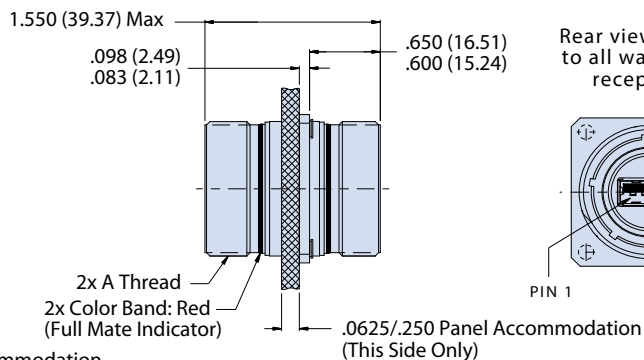
CM - Clinch Hole Receptacle Face View



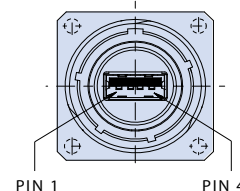
00 and D0 - Receptacle Side View



CM - Receptacle Side View



Rear view applies to all wall mount receptacles



All external dimensions, features, etc. compliant with D38999/20, /24, &/26. Consult factory for additional information.