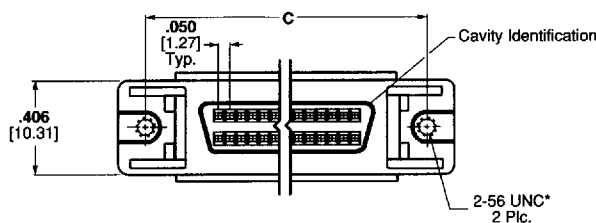
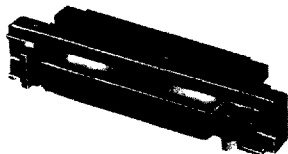


AMPLIMITE .050 Series Panel Mount Receptacle Assemblies With Rails, Latch Blocks, Series III



Materials:

Housing and Termination

Covers—Thermoplastic, 94V-0 rated, black

Shell—Steel, plated .000200 [0.00508] min. bright tin over .000050 [0.00127] min. copper

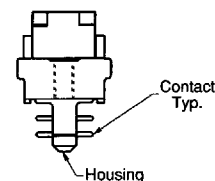
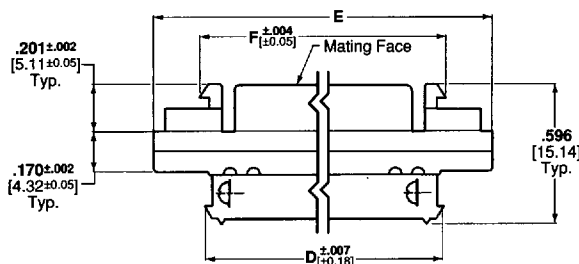
Bracket—Zinc, plated nickel over copper

Contacts—Phosphor bronze, duplex plated .000030 [0.00076] min. gold on mating end, .000050 [0.00127] min. bright tin-lead in termination area, all underplated .000050 [0.00127] nickel

Recommended wire size—

28 AWG [0.08-0.09mm²] or 30 AWG [0.05mm²], solid or 7 strand, with a .029-.036 [0.74-0.89] insulation diameter or .050 [1.27] centerline, 28 AWG [0.08-0.09mm²] stranded, PVC, flat ribbon cable.

Note: For a list of AMP approved round jacketed cables see page 216. All other cables must be approved by AMP Engineering



Technical Documents:

Product Specifications—108-1228

Application Specifications—114-40029

Panel Cutouts—see page 269

Note: Extra pin contact protection is provided by rails, which facilitate a straight-out, unmating motion. A side-to-side rocking motion should not be used to disengage the connector system.

AMPLIMITE .050 Series Panel Mount Receptacle Assemblies With Rails, Latch Blocks, Series III (Continued)

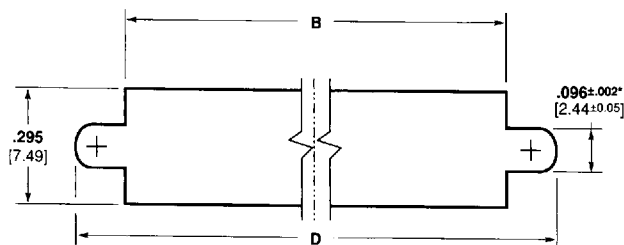
No. of Pos.	Dimensions				Part Numbers		
	C	D	E	F	Connectors With Assembled Standard Termination Covers	Connectors With Unassembled Wire Lacing Termination Covers	
						.032-.036 [0.81-0.91] Outer Wire Dia.	.029-.031 [0.74-0.79] Outer Wire Dia.
20	1.080 27.43		1.315 33.40		749611-2	—	—
26	1.230 31.24	1.029 26.14	1.465 37.21	1.065 27.05	749611-1	—	—
50	1.830 46.48	1.629 41.38	2.065 52.45	1.665 42.29	749611-5	786861-5	—
50	1.830 46.48	1.629 41.38	2.065 52.45	1.665 42.29	750450-1*	—	—
68	2.280 57.91	2.079 52.81	2.515 63.88	2.115 53.72	749611-7	786861-7	1-786861-7
100	3.080 78.23	2.879 73.13	3.315 84.20	2.915 74.04	749611-9	—	—

*Part Number 750450-1 has 4-40 threaded holes. All others have 2-56 threaded holes.

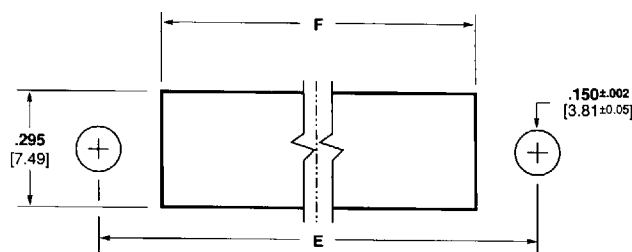
Note: For termination, cover closing and wire lacing tooling, see page 247.

For termination tooling other than wire lacing see page 274.

AMPLIMITE .050 Series Panel Cutout Specifications, Series III

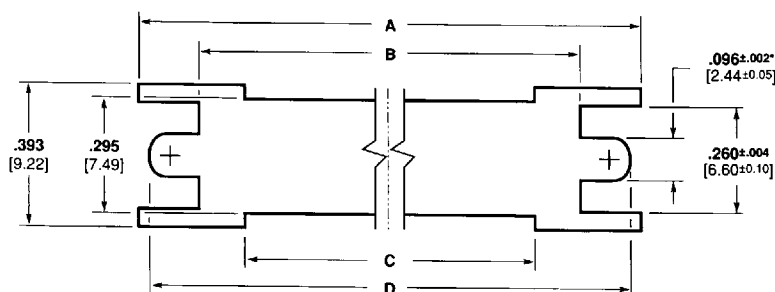


For Latch Blocks Only
(Use 2-56 screws for mounting)



For Screwlock Applications
without Rails and Latch Blocks

*For use with female screwlocks Part No. 750644-1,
dimension is .134±.002 [3.40±0.05]



For Rails and Latch Blocks
(Use 2-56 screws for mounting)

*For use with female screwlocks Part No. 750644-1,
dimension is .134±.002 [3.40±0.05]

Note: Recommended panel thickness: .060±.005 [1.52±0.127]

No. of Pos.	Dimensions					
	A	B	C	D	E	F
20	1.240 31.50	.935 23.75	.684 17.37	1.176 29.87	1.080 27.43	.734 18.64
26	1.390 35.31	1.085 27.56	.834 21.18	1.326 33.68	1.230 31.24	.884 22.45
28	1.440 36.58	1.135 28.83	.884 22.45	1.376 34.95	1.280 32.51	.934 23.72
40	1.740 44.20	1.435 36.45	1.184 30.07	1.676 42.57	1.580 40.13	1.234 31.34
50	1.990 50.55	1.685 42.80	1.434 36.42	1.926 48.92	1.830 46.48	1.484 37.69
60	2.240 56.90	1.935 49.15	1.684 42.77	2.176 55.27	2.080 52.83	1.734 44.04
68	2.440 61.98	2.135 54.23	1.884 47.85	2.376 60.35	2.280 57.91	1.934 49.12
80	2.740 69.60	2.435 61.85	2.184 55.47	2.676 67.97	2.580 65.53	2.234 56.74
100	3.240 82.30	2.935 74.55	2.684 68.17	3.176 80.67	3.080 78.23	2.734 69.44
120	3.740 95.00	3.435 87.25	3.184 80.87	3.676 93.37	3.580 90.93	3.234 82.14