



AMP-LATCH Uni-Beam Connectors

Product Facts

- .100 x .100 [2.54 x 2.54] mating grid for .050 [1.27] pitch ribbon cable
- Pre-loaded single mating beam design, provides a high normal force without high mating/unmating forces
- Mates with .025 [0.64] square or round pin, .125 [3.18] to .323 [8.20] max. post length
- Duplex gold plated contacts
- Insulation displacement contacts (IDC) for fast, economical mass termination
- Contact design provides uniform latching of contacts and housing with connector cover
- Recessed cover with cable alignment feature
- Housing, cover, and strain relief made of UL 94V-0 rated thermoplastic material
- Connectors available in a choice of military or center and military polarization
- 10, 14, 16, 20, 24, 26, 30, 34, 40, 44, 50, 60 and 64 position connector configurations available
- Accepts wire size range 28-26 AWG [0.08-0.15 mm²], solid or stranded
- Snap-on strain relief and choice of pull tabs available
- One step termination with AMP-LATCH Novo receptacle tooling
- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476 
- Certified by the Canadian Standards Association, File No. LR 7189 



AMP-LATCH Uni-Beam receptacles feature insulation displacement contacts (IDC) for fast, labor saving mass termination of .050 [1.27] centerline ribbon cable. The mating interface consists of a pre-loaded single mating beam that provides high normal force without high mating forces. The mating beam contains a top/bottom contact orientation. Contacts are made of phosphor bronze and are available in a choice of duplex plate .000015 [0.00038] or .000030 [0.00076] gold in the mating area, .000100 [0.00254] tin-lead in the termination area, with the entire contact .000050 [0.00127] nickel underplated. Contact mating area extends

.100 [2.54] from the mating face of the housing. Contacts accept wire size range 28-26 AWG [0.08-0.15 mm²], solid or stranded.

The AMP-LATCH Uni-Beam receptacle will mate with:

- AMP-LATCH universal and low-profile pin headers.
- All industry standard pin headers with a .150 [3.81] end dimension, .025 [0.64] square or round mating post, and .125 [3.18] to .323 [8.20] maximum post length.

AMP-LATCH Uni-Beam receptacles feature a housing and cover made of 94V-0 rated polyester. The dual recessed cover contains an integral

cable alignment feature that provides additional ribbon cable alignment during termination. The housing is available in military and center and military polarized configurations in various sizes from 10 up to 64 positions.

Optional accessories include a snap-on strain relief and a choice of pull tabs.

Assemblies are packaged in tubes for ease of handling, protection, and termination.

AMP-LATCH Uni-Beam receptacles can be applied to ribbon cable with any existing AMP-LATCH Novo receptacle, one-step application tooling.

AMP-LATCH Uni-Beam Connectors (Continued) Receptacles, Center and Military Polarized



Receptacle and Cover



Strain Relief

Plating Code:

A—Duplex plated .000015 [0.00038] gold on the mating end, .000100 [0.00254] tin-lead on the termination end, with entire contact .000050 [0.00127] nickel underplated

B—Duplex plated .000030 [0.00076] gold on the mating end, .000100 [0.00254] tin-lead on the termination end, with entire contact .000050 [0.00127] nickel underplated

No. of Pos.	Part Numbers			Kit Part Numbers*	
	Receptacle and Cover		Strain Relief	Plating Code A	Plating Code B
	Plating Code A	Plating Code B			
10	111810-1	111633-1	111564-5	111868-1	111869-1
14	111810-2	111633-2	111564-9	111868-2	111869-2
16	111810-3	111633-3	111564-8	111868-3	111869-3
20	111810-4	111633-4	111564-2	111868-4	111869-4
24	111810-5	111633-5	1-111564-0	111868-5	111869-5
26	111810-6	111633-6	111564-3	111868-6	111869-6
30	111810-7	111633-7	1-111564-2	111868-7	111869-7
34	111810-8	111633-8	111564-6	111868-8	111869-8
40	111810-9	111633-9	111564-1	111868-9	111869-9
44	1-111810-3	1-111633-3	1-111564-1	1-111868-3	1-111869-3
50	1-111810-0	1-111633-0	111564-4	1-111868-0	1-111869-0
60	1-111810-1	1-111633-1	111564-7	1-111868-1	1-111869-1
64	1-111810-2	1-111633-2	1-111564-3	1-111868-2	1-111869-2

*Kit contains connector and strain relief, bulk packaged.
Note: Pull Tabs also available, see page 5017.

Receptacles, Military Polarized



Receptacle and Cover



Strain Relief

Plating Code:

A—Duplex plated .000015 [0.00038] gold on the mating end, .000100 [0.00254] tin-lead on the termination end, with entire contact .000050 [0.00127] nickel underplated

B—Duplex plated .000030 [0.00076] gold on the mating end, .000100 [0.00254] tin-lead on the termination end, with entire contact .000050 [0.00127] nickel underplated

No. of Pos.	Part Numbers			Kit Part Numbers*	
	Receptacle and Cover		Strain Relief	Plating Code A	Plating Code B
	Plating Code A	Plating Code B			
10	111811-1	111634-1	111564-5	111870-1	111871-1
14	111811-2	111634-2	111564-9	111870-2	111871-2
16	111811-3	111634-3	111564-8	111870-3	111871-3
20	111811-4	111634-4	111564-2	111870-4	111871-4
24	111811-5	111634-5	1-111564-0	111870-5	111871-5
26	111811-6	111634-6	111564-3	111870-6	111871-6
30	111811-7	111634-7	1-111564-2	111870-7	111871-7
34	111811-8	111634-8	111564-6	111870-8	111871-8
40	111811-9	111634-9	111564-1	111870-9	111871-9
44	1-111811-3	1-111634-3	1-111564-1	1-111870-3	1-111871-3
50	1-111811-0	1-111634-0	111564-4	1-111870-0	1-111871-0
60	1-111811-1	1-111634-1	111564-7	1-111870-1	1-111871-1
64	1-111811-2	1-111634-2	1-111564-3	1-111870-2	1-111871-2

*Kit contains connector and strain relief, bulk packaged.
Note: Pull Tabs also available, see page 5017.

Ribbon and Flat Cable Connectors
Ribbon Cable Connector System (AMP-LATCH)