

**AMP-LATCH Novo Receptacles, Military Polarized*
.100 x .100 [2.54 x 2.54] Centers**

Housing Assembly with Cover (Preassembled) and Strain Relief (Optional)



Contacts mate with .025 [0.64] sq. or round pins with .245 [6.22] max. and .175 [4.45] min. lengths.

Material and Finish

Housing, Cover & Strain Relief — UL 94V-0 rated thermoplastic, black
Contacts — Phosphor bronze, duplex plated (See chart below)

Related Product Data

Mateable Pin Headers — Universal — pages 84-95
Low Profile — pages 76-83
Mateable Universal I/O Pin Connectors — pages 45 and 46

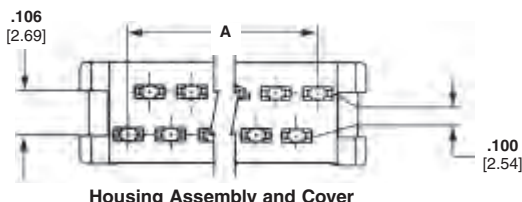
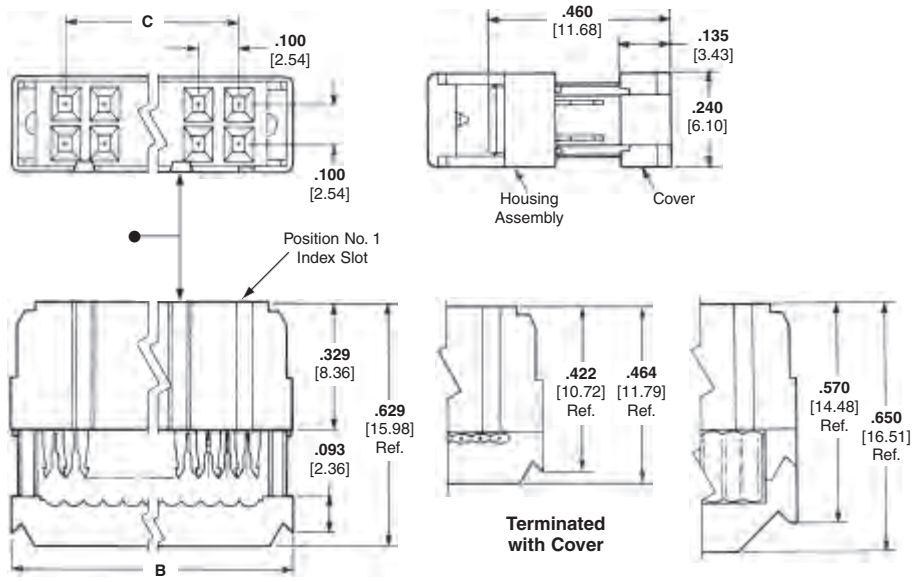
Accessories

Pull Tabs — page 63
Keying Plug — page 64
Pull Loops — page 66
Strain Relief Dimensional Information — page 68
Application Tooling — pages 70-74

Technical Documents

Product Specifications
108-40000 Novo and Novo Stackable Receptacles; 108-40004 Ribbon Cable, PVC Insulated
Application Specification
114-40005 Ribbon Cable Connectors
Instruction Sheets
Instructional material covering operation, setup, maintenance, repair, etc. is included with each machine, tool or die set. If this material is required prior to receiving your tooling, call Tyco Electronics at the numbers listed below for the applicable documents.

*These receptacles can be used in applications requiring non-polarization, as well as military polarization.



● There is no polarization slot on this end of 10- and 14-position receptacles.

No. of Pos.	Dimensions			Contact Plating	Strain Relief Part No.	Receptacle (Preassembled)
	A	B	C			
10	.450	.680	.400	Duplex ¹	499252-5	1658620-1
	11.43	17.27	10.16	Duplex ²	499252-5	1658623-1
14	.650	.880	.600	Duplex ¹	499252-9	1658620-2
	16.51	22.35	15.24	Duplex ²	499252-9	1658623-2
16	.750	.980	.700	Duplex ¹	499252-8	1658620-3
	19.05	24.89	17.78	Duplex ²	499252-8	1658623-3
20	.950	1.180	.900	Duplex ¹	499252-2	1658620-4
	24.13	29.97	22.86	Duplex ²	499252-2	1658623-4
24	1.150	1.380	1.100	Duplex ¹	1-499252-0	1658620-5
	29.21	35.05	27.94	Duplex ²	1-499252-0	1658623-5
26	1.250	1.480	1.200	Duplex ¹	499252-3	1658620-6
	31.75	37.59	30.48	Duplex ²	499252-3	1658623-6
30	1.450	1.680	1.400	Duplex ¹	1-499252-2	1658620-7
	36.83	42.67	35.56	Duplex ²	1-499252-2	1658623-7
34	1.650	1.880	1.600	Duplex ¹	499252-6	1658620-8
	41.91	47.75	40.64	Duplex ²	499252-6	1658623-8
40	1.950	2.180	1.900	Duplex ¹	499252-1	1658620-9
	49.53	55.37	48.26	Duplex ²	499252-1	1658623-9
50	2.450	2.680	2.400	Duplex ¹	499252-4	1-1658620-0
	62.23	68.07	60.96	Duplex ²	499252-4	1-1658623-0
60	2.950	3.180	2.900	Duplex ¹	499252-7	—
	74.93	80.77	73.66	Duplex ²	499252-7	—
64	3.150	3.380	3.100	Duplex ¹	1-499252-3	1-1658620-2
	80.01	85.85	78.74	Duplex ²	1-499252-3	—

¹.000015 [0.00038] gold or gold flash over palladium-nickel .000015 [0.00038] min. total on post/pin mating end, .000100-.000200 [0.00254-0.00508] tin on termination end, with entire contact underplated .000050 [0.00127] nickel.
².000030 [0.00076] gold or gold flash over palladium-nickel .000030 [0.00076] min. total on post/pin mating end, .000100-.000200 [0.00254-0.00508] tin on termination end, with entire contact underplated .000050 [0.00127] nickel.
Note: These receptacles include a housing assembly and cover (preassembled). Strain reliefs may be purchased separately using the component part nos. listed above. All part numbers are RoHS compliant.

**AMP-LATCH Novo Receptacles, Center and Military Polarized*
.100 x .100 [2.54 x 2.54] Centers**

Housing Assembly with Cover (Preassembled) and Strain Relief (Optional)



Contacts mate with .025 [0.64] sq. or round pins with .245 [6.22] max. and .175 [4.45] min. lengths.

Material and Finish

Housing, Cover & Strain Relief — UL 94V-0 rated thermoplastic, black

Contacts — Phosphor bronze, duplex plated (See chart below)

Related Product Data

Mateable Pin Headers —

Universal — pages 84-95

Low Profile — pages 76-83

Mateable Universal I/O Pin Connectors — pages 45 and 46

Accessories

Pull Tabs — page 63

Keying Plug — page 64

Pull Loops — page 66

Strain Relief — page 68

Application Tooling — pages 70-74

Technical Documents

Product Specifications

108-40000 AMP-LATCH Novo and AMP-LATCH Novo Stackable Receptacles; 108-40004 Ribbon Cable, PVC Insulated

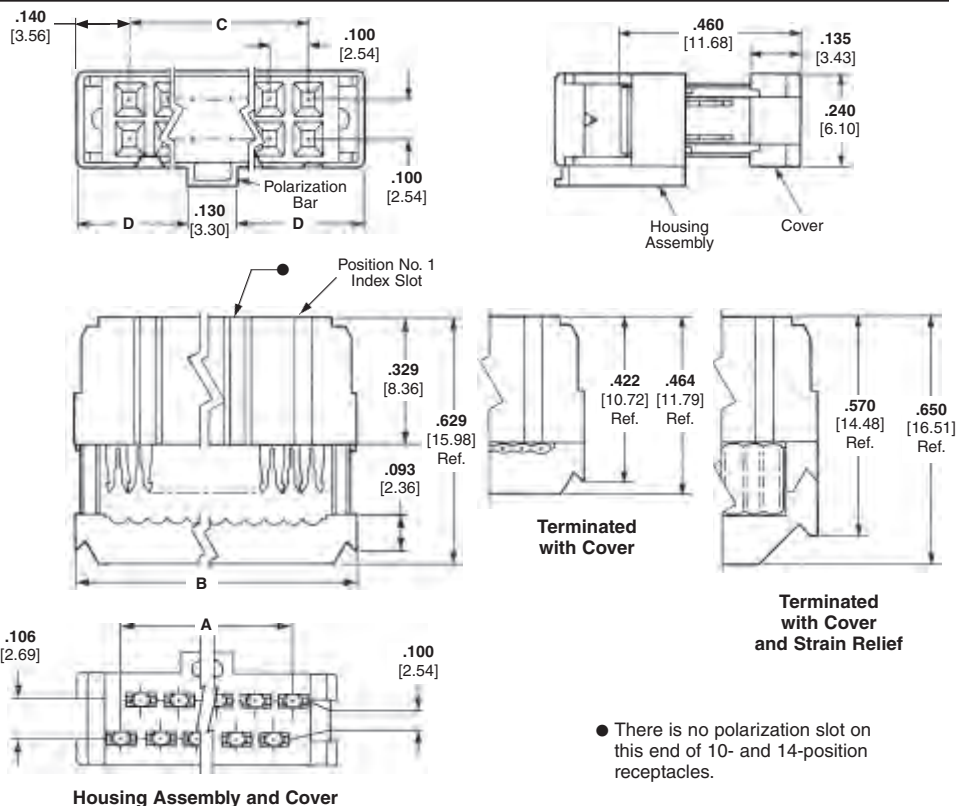
Application Specification

114-40005 Novo Receptacles

Instruction Sheets

Instructional material covering operation, setup, maintenance, repair, etc. is included with each machine, tool or die set. If this material is required prior to receiving your tooling, call Tyco Electronics at the numbers listed below for the applicable documents.

*These receptacles can be used in applications requiring center polarization.



No. of Pos.	Dimensions				Contact Plating	Strain Relief Part No.	Receptacle (Preassembled)
	A	B	C	D			
10	.450	.680	.400	.275	Duplex ¹	499252-5	1658621-1
	11.43	17.27	10.16	6.99	Duplex ²	499252-5	1658622-1
14	.650	.880	.600	.375	Duplex ¹	499252-9	1658621-2
	16.51	22.35	15.24	9.53	Duplex ²	499252-9	1658622-2
16	.750	.980	.700	.425	Duplex ¹	499252-8	1658621-3
	19.05	24.89	17.78	10.80	Duplex ²	499252-8	1658622-3
20	.950	1.180	.900	.525	Duplex ¹	499252-2	1658621-4
	24.13	29.97	22.86	13.34	Duplex ²	499252-2	1658622-4
24	1.150	1.380	1.100	.625	Duplex ¹	1-499252-0	1658621-5
	29.21	35.05	27.94	15.88	Duplex ²	1-499252-0	1658622-5
26	1.250	1.480	1.200	.675	Duplex ¹	499252-3	1658621-6
	31.75	37.59	30.48	17.15	Duplex ²	499252-3	1658622-6
30	1.450	1.680	1.400	.775	Duplex ¹	1-499252-2	1658621-7
	36.83	42.67	35.56	19.69	Duplex ²	1-499252-2	1658622-7
34	1.650	1.880	1.600	.875	Duplex ¹	499252-6	1658621-8
	41.91	47.75	40.64	22.23	Duplex ²	499252-6	1658622-8
40	1.950	2.180	1.900	1.025	Duplex ¹	499252-1	1658621-9
	49.53	55.37	48.26	26.04	Duplex ²	499252-1	1658622-9
50	2.450	2.680	2.400	1.275	Duplex ¹	499252-4	1-1658621-0
	62.23	68.07	60.96	32.39	Duplex ²	499252-4	1-1658622-0
60	2.950	3.180	2.900	1.525	Duplex ¹	499252-7	1-1658621-1
	74.93	80.77	73.66	38.74	Duplex ²	499252-7	1-1658622-1
64	3.150	3.380	3.100	1.625	Duplex ¹	1-499252-3	1-1658621-2
	80.01	85.85	78.74	41.28	Duplex ²	1-499252-3	1-1658622-2

¹.000015 [0.00038] gold or gold flash over palladium-nickel .000015 [0.00038] min. total on post/pin mating end, .000100-.000200 [0.00254-0.00508] tin on termination end, with entire contact underplated .000050 [0.00127] nickel.
².000030 [0.00076] gold or gold flash over palladium-nickel .000030 [0.00076] min. total on post/pin mating end, .000100-.000200 [0.00254-0.00508] tin on termination end, with entire contact underplated .000050 [0.00127] nickel.
Note: These receptacles include a housing assembly and cover (preassembled). Strain reliefs may be purchased separately using the component part nos. listed above.
 All part numbers are RoHS compliant.