

143-211 + 143-212

FEATURES AND SPECIFICATIONS

Features and Benefits

- Passive (friction) lock
- 1 to 15 circuit housings
- Panel and PCB mountable
- 1-piece strain reliefs available (42148 Series)
- Mating headers available
- Male and female terminals may be used in either plug or receptacle housings

Reference Information

Packaging: Bulk
UL File No.: E29179
CSA File No.: LR19980
Mates With: 3099 header
Designed In: Inches

Electrical

Voltage: 250V
Current: 12.0A per circuit
Dielectric Withstanding Voltage: 1500V AC rms

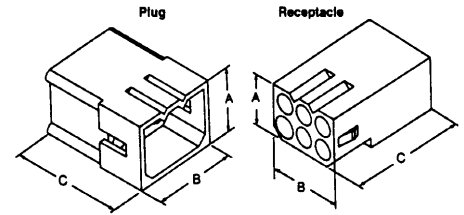
Mechanical

Contact Retention to Housing: 20 lb min.

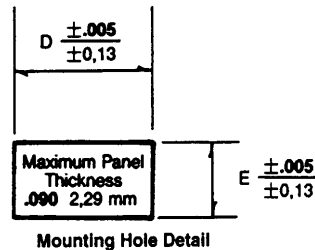
Physical

Housing: Nylon, UL 94V-2
Temperature: -40 to +105°C

molex 2.36mm (.093") Diameter Power Connector

Plug and Receptacle
Standard .093"

ORDERING INFORMATION AND DIMENSIONS

42148
Strain Relief

Circuits	Strain Relief		Used With	
	Part No.	Order No.	Plug Order No.	Receptacle Order No.
2	42148-2AA	15-04-0222	03-09-2027	03-09-1021
4	42148-4LA	15-04-0223	03-09-2041	03-09-1041
15	42148-15AA	15-04-0389	03-09-2152	03-09-1151

ORDERING INFORMATION AND DIMENSIONS

Circuit ID Shown is Mating Side of Receptacle; Wire Side of Plug	1951-1	1619-1	1545-2	1396-3	1490-4	2163-4	2629-5	1261-6	1292-9	1360-12	1375-15
Series-Circuit	1951-1	1619-1	1545-2	1396-3	1490-4	2163-4	2629-5	1261-6	1292-9	1360-12	1375-15
Ampers/Circuit (Maximum)*	12	12	12	12	9	9	9	9	9	7.5	7.5
Voltage Rating (Maximum)*	250†	250	250	250	250	250	250	250	250	250	250
Vertical Headers	N/A	N/A	Notes †, ‡	Notes †, ‡, **, ††	Notes †, ‡	Note ††	Notes **, ††	Notes †, **, ††	Notes †, **, ††	Notes †, **, ††	Notes †, ††
Receptacle											
Panel Mount	N/A	N/A	• 03-09-1027	• 03-09-1031	• 03-09-1041	• 03-09-1040	N/A	• 03-09-1061	• 03-09-1091	• 03-09-1125	• 03-09-1154
Free Hanging	• 03-09-1014	• 03-09-1011	• 03-09-1022	• 03-09-1032	• 03-09-1042	• 03-09-1049	• 03-09-1052	• 03-09-1064	• 03-09-1094	• 03-09-1126	• 03-09-1157
Dimension A			13.60 (.540)	17.00 (.670)	22.10 (.870)	11.00 (.430)	27.20 (1.070)	11.00 (.430)	17.00 (.670)	22.10 (.870)	27.10 (1.07)
B	7.90 (.310)	5.80 (.230)	6.40 (.250)	6.10 (.240)	6.00 (.240)	11.00 (.430)	6.20 (.240)	16.00 (.630)	16.00 (.630)	16.00 (.630)	16.00 (.630)
C	47.10 (1.860)	26.20 (1.030)	26.20 (1.030)	25.70 (1.010)	26.20 (1.030)	26.20 (1.030)	25.40 (1.000)	25.90 (1.020)	26.20 (1.030)	25.90 (1.020)	25.90 (1.020)
Panel Cutout D			18.42 (.725)	21.10 (.830)	26.37 (1.038)	12.70 (.500)		17.22 (.678)	21.03 (.828)	26.67 (1.050)	31.50 (1.240)
E			7.92 (.312)	7.92 (.312)	7.92 (.312)	15.24 (.600)		15.24 (.600)	18.42 (.725)	18.42 (.725)	18.42 (.725)
Plug											
Panel Mount	N/A	N/A	• 03-09-2021	• 03-09-2031	• 03-09-2041	• 03-09-2040	N/A	• 03-09-2061	• 03-09-2091	• 03-09-2122	• 03-09-2152**
Free Hanging	• 03-09-2014	• 03-09-2011	• 03-09-2022	• 03-09-2032	• 03-09-2042	• 03-09-2049	• 03-09-2052	• 03-09-2062	• 03-09-2092	• 03-09-2121	• 03-09-2154
Dimension A			16.30 (.640)	19.60 (.770)	24.70 (.970)	13.70 (.540)	30.00 (1.180)	13.70 (.540)	19.60 (.770)	24.90 (.980)	29.70 (1.170)
B	11.20 (.440)	9.10 (.360)	8.90 (.350)	8.60 (.340)	8.60 (.340)	13.70 (.540)	8.60 (.340)	18.60 (.730)	18.50 (.730)	18.80 (.740)	18.80 (.740)
C	57.20 (2.250)	25.40 (1.000)	25.40 (1.000)	25.40 (1.000)	25.40 (1.000)	26.00 (1.020)	25.40 (1.000)	25.40 (1.000)	25.40 (1.000)	24.90 (.980)	24.90 (.980)
Panel Cutout D			20.32 (.800)	23.70 (.933)	28.73 (1.131)	14.10 (.555)		19.05 (.750)	23.80 (.937)	29.34 (1.155)	34.11 (1.343)
E			9.53 (.375)	9.53 (.375)	9.53 (.375)	17.65 (.695)		17.65 (.695)	16.76 (.660)	19.30 (.760)	19.30 (.760)

* US Standard Product, available through Molex franchised distributors

* Rating based on fully loaded housings

† Tested to 5000V with no dielectric breakdown

‡ Positive lock configuration available

§ Vertical header (shrouded) available, see 3099 Series

** Vertical header (unshrouded) available, see 1840 Series

†† Vertical headers may be assembled using PC tail terminals in standard housings

‡‡ Part does not have lock windows, consult Molex sales drawing