

# 4.20 mm. DUAL ROW MINI POWER CONNEC.



## 6740 SERIES. 4.20 mm. (0.165") pitch. Plug / Receptacle housing.

### General Features

- Available in 2 through 24 circuits
- Mates with 4.20 mm. pitch 6740 crimp housing and pin headers 6745, 6746 and 6783 series.
- Polarised with positive locking system
- Use crimp terminal 6741, 6742, 6743, 6744, 6747 and 6748
- Allows wire to wire and wire to PCB connections
- Applicable panel thickness: 0.80 to 2.0 mm

### Materials

- Insulator: Nylon 6/6 UL 94 V-0
- Operating temperature: -40°C to +105°C
- RoHS compliant

### Electrical Features

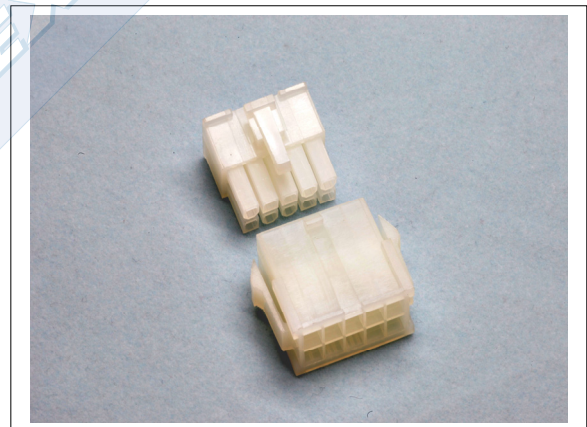
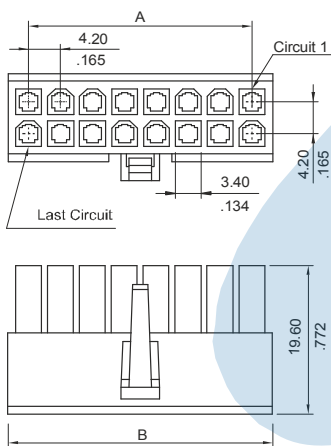
- Voltage rating: < 600V
- Current rating: < 9 A
- Contact resistance: < 10 mΩ
- Dielectric withstanding voltage: 1500 V AC/minute
- Insulation resistance: >1000 MΩ

### Mechanical Features

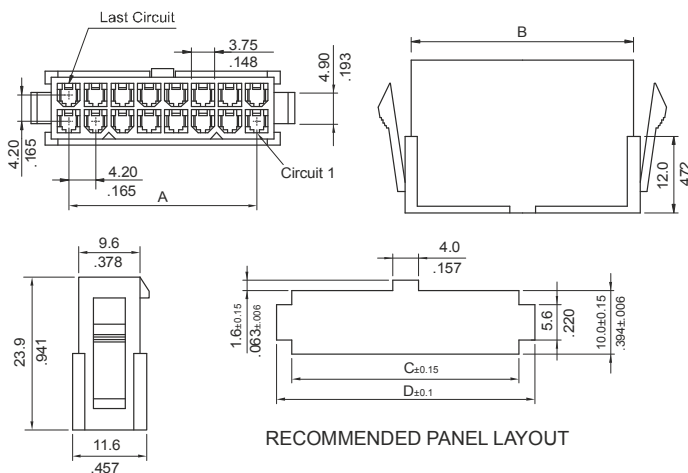
- Contact retention force to the housing: < 5.0 Kgf
- Insertion force to header: < 0.70 Kgf/pin
- Withdrawal force from header: < 0.10 Kgf/pin
- Terminal insertion force to housing: < 1.50 Kgf/pin
- Durability: 25 cycles

### Dimensional Information

#### RECEPTACLE



#### PLUG

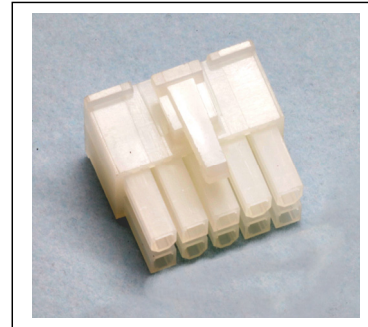
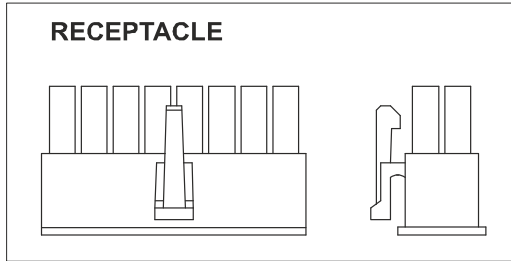


Circuits	Panel Layout Dimensions	
	C	D
2	6.10 (0.240)	11.10 (0.437)
4	10.30 (0.406)	15.30 (0.602)
6	14.50 (0.571)	19.50 (0.768)
8	18.70 (0.736)	23.70 (0.933)
10	22.90 (0.902)	27.90 (1.098)
12	27.10 (1.067)	32.10 (1.264)
14	31.40 (1.236)	36.30 (1.429)
16	35.60 (1.402)	40.50 (1.594)
18	39.80 (1.567)	44.70 (1.706)
20	44.00 (1.732)	48.90 (1.925)
22	48.20 (1.898)	53.10 (2.091)
24	52.40 (2.063)	57.30 (2.256)

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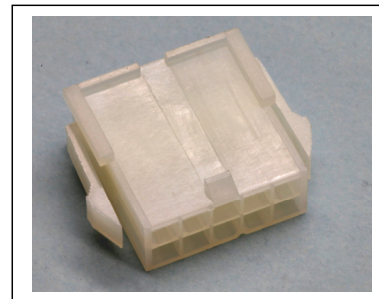
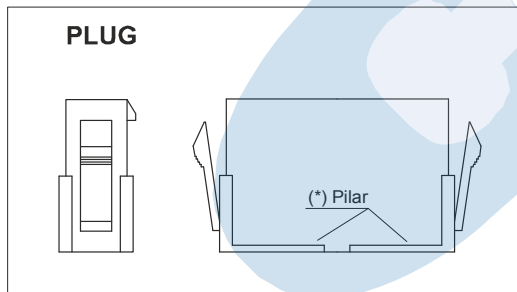


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Circuits	Max.Current A	Part Number		Dimensions			
		UL 94V-0	UL 94V-2	A	B	C	D
2	9	6740 - 1020	6740 - 1021	-	5.50 (0.217)	-	-
4	8	6740 - 1040	6740 - 1041	4.20 (0.156)	9.70 (0.382)	-	-
6	8	6740 - 1060	6740 - 1061	8.40 (0.331)	13.90 (0.547)	-	-
8	7	6740 - 1080	6740 - 1081	12.60 (0.496)	18.10 (0.713)	-	-
10	7	6740 - 1100	6740 - 1101	16.80 (0.661)	22.30 (0.878)	-	-
12	6	6740 - 1120	6740 - 1121	21.00 (0.827)	26.50 (1.043)	-	-
14	6	6740 - 1140	6740 - 1141	25.20 (0.992)	30.70 (1.209)	-	-
16	6	6740 - 1160	6740 - 1161	29.40 (1.157)	34.90 (1.374)	-	-
18	6	6740 - 1180	6740 - 1181	33.60 (1.322)	39.10 (1.539)	-	-
20	6	6740 - 1200	6740 - 1201	37.80 (1.487)	43.30 (1.705)	-	-
22	6	6740 - 1220	6740 - 1221	42.00 (1.652)	47.50 (1.870)	-	-
24	6	6740 - 1240	6740 - 1241	46.20 (1.817)	51.70 (2.035)	-	-

Options: Cover plastic hood. (Contact with sales Office)



Circuits	Current max. A	Standard Version		Other Options				DIMENSIONS	
				Without mounting ears		Without ears and Pilar (*)		A	B
		UL 94V-0	UL 94V-2	UL 94V-2	UL 94V-0	UL 94V-2	UL 94V-0		
2	9	6740 - 2020	6740 - 2021	6740 - 2022	6740 - 2023	6740 - 2024	6740 - 2025	-	5.70 (0.224)
4	8	6740 - 2040	6740 - 2041	6740 - 2042	6740 - 2043	6740 - 2044	6740 - 2045	4.20 (0.156)	9.90 (0.390)
6	8	6740 - 2060	6740 - 2061	6740 - 2062	6740 - 2063	6740 - 2064	6740 - 2065	8.40 (0.331)	14.10 (0.555)
8	7	6740 - 2080	6740 - 2081	6740 - 2082	6740 - 2083	6740 - 2084	6740 - 2085	12.60 (0.496)	18.30 (0.720)
10	7	6740 - 2100	6740 - 2101	6740 - 2102	6740 - 2103	6740 - 2104	6740 - 2105	16.80 (0.661)	22.50 (0.886)
12	6	6740 - 2120	6740 - 2121	6740 - 2122	6740 - 2123	6740 - 2124	6740 - 2125	21.00 (0.827)	26.70 (1.051)
14	6	6740 - 2140	6740 - 2141	6740 - 2142	6740 - 2143	6740 - 2144	6740 - 2145	25.20 (0.992)	30.90 (1.217)
16	6	6740 - 2160	6740 - 2161	6740 - 2162	6740 - 2163	6740 - 2164	6740 - 2165	29.40 (1.157)	35.10 (1.382)
18	6	6740 - 2180	6740 - 2181	6740 - 2182	6740 - 2183	6740 - 2184	6740 - 2185	33.60 (1.322)	39.30 (1.547)
20	6	6740 - 2200	6740 - 2201	6740 - 2202	6740 - 2203	6740 - 2204	6740 - 2205	37.80 (1.487)	43.50 (1.713)
22	6	6740 - 2220	6740 - 2221	6740 - 2222	6740 - 2223	6740 - 2224	6740 - 2225	42.00 (1.652)	47.70 (1.878)
24	6	6740 - 2240	6740 - 2241	6740 - 2242	6740 - 2243	6740 - 2244	6740 - 2245	46.20 (1.817)	51.90 (2.043)