

# 4.20 mm. DUAL ROW MICRO POWER CONN.



## 6735 SERIES. 4.20 mm. (0.165") pitch. Receptacle housing.

### General Features

- Available in 4, 6, 10, 14, 18 and 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 6742, 6744 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 or UL 94 V-2
- 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

Circuit Size	Part Number		Dimensions				
	UL 94V-0	UL 94V-2	A	B	C	D	E
4	6735 - 1040	6735 - 1041	4.20 (0.156)	40.40 (1.591)	29.20 (1.150)	9.70 (0.382)	12.80 (0.504)
6	6735 - 1060	6735 - 1061	8.40 (0.331)	44.60 (1.756)	33.40 (1.315)	13.90 (0.547)	17.00 (0.669)
10	6735 - 1100	6735 - 1101	16.80 (0.661)	53.00 (2.087)	41.80 (1.646)	22.30 (0.878)	25.40 (1.000)
14	6735 - 1140	6735 - 1141	25.20 (0.992)	61.40 (2.417)	50.20 (1.976)	30.70 (1.209)	33.80 (1.331)
18	6735 - 1180	6735 - 1181	33.60 (1.322)	69.80 (2.748)	58.60 (2.307)	39.10 (1.539)	42.20 (1.661)
24	6735 - 1240	6735 - 1241	46.20 (1.817)	82.40 (3.244)	71.20 (2.803)	51.70 (2.035)	54.80 (2.157)

