

FCN-787****-G/*

FCN-780 Series Micro Ribbon Connectors

FEATURES

- The connectors are matable with other ribbon-type connectors and have a sturdy metal shell that enables easy EMI shieldings.
- UL-recognized (94V-0) insulation material is used.
- 1.27 mm (0.050 in.) pitch flat cable can be used.

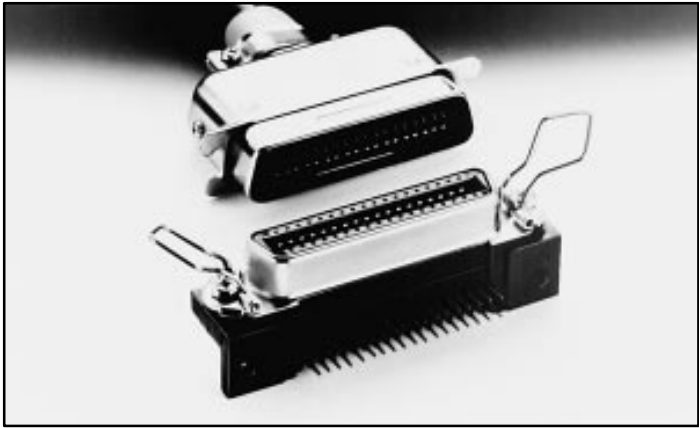
SPECIFICATIONS

Temperature Range	−55 to +105°C
Current Rating	3 A DC, (IDC: 1ADC)
Voltage Rating	250V AC
Contact Resistance	30 mΩ max (6V DC, 0.3A)
Insulation Resistance	1000 MΩ min. (500V DC)
Dielectric Withgstanding Voltage	500 V AC (for 1 minute)
Maximum Insertion Force	13.6 kg (36 contacts)
Minimum Withdrawal Force	0.72 kg (36 contacts)
Flat Cable	1.27 mm (0.050 in.) pitch, AWG AWG #28 (stranded wire) AWG #30 (solid wire)

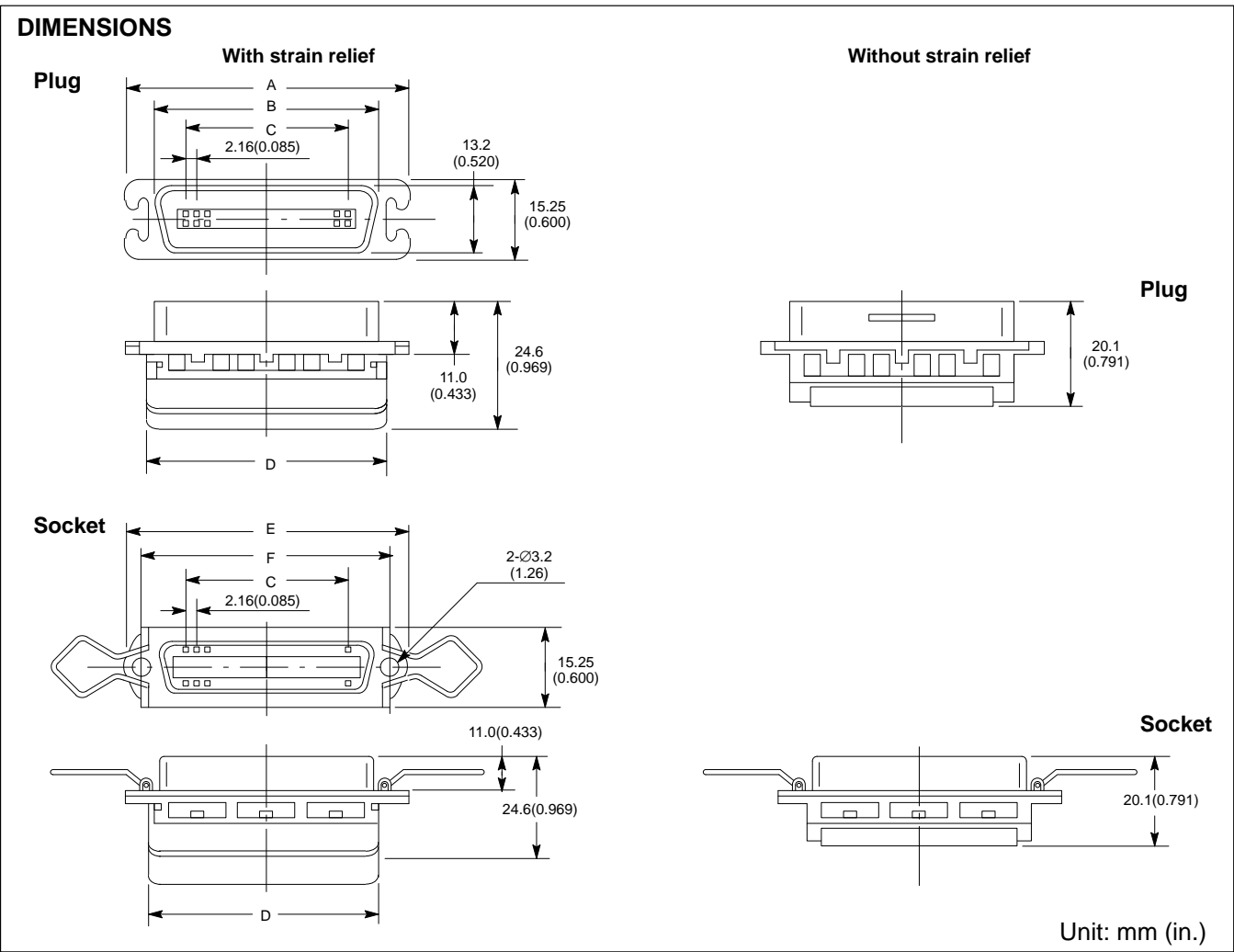
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MATERIALS

Contact		Phosphor bronze (spring grade)	Gold over palladium over nickel (PAGOS)
Insulator	Solder Type	PPS, resin	—
	RA, ST, IDC type	Polyester	
Shell		Steel	Nickel plating
Holder		Zinc, Steel	Nickel plating



FCN-787P/787J***-G/* IDC PLUG AND SOCKET



No. of Contacts	Type	Part Number		A	B	C	D	E	F
		With strain relief	Without strain relief						
14	Plug	FCN-787P014-G/R	FCN-787P014-G/V	37.82 (1.489)	26.84 (1.057)	12.96 (0.510)	22.78 (0.897)	43.92 (1.729)	35.98 (1.417)
	Socket	FCN-787J014-G/Q	FCN-787J014-G/U						
24	Plug	FCN-787P024-G/R	FCN-787P024-G/V	48.62 (1.914)	37.64 (1.482)	23.76 (0.935)	35.48 (1.397)	54.72 (2.154)	46.78 (1.842)
	Socket	FCN-787J024-G/Q	FCN-787J024-G/U						
36	Plug	FCN-787P036-G/R	FCN-787P036-G/V	61.58 (2.424)	50.60 (1.992)	36.72 (1.446)	50.72 (1.977)	67.68 (2.655)	59.74 (2.352)
	Socket	FCN-787J036-G/Q	FCN-787J036-G/U						
50	Plug	FCN-787P050-G/R	FCN-787P050-G/V	76.70 (3.020)	65.72 (2.587)	51.84 (2.041)	68.50 (2.697)	82.80 (3.260)	74.86 (2.947)
	Socket	FCN-787J050-G/Q	FCN-787J050-G/U						

Note: These part numbers indicate standard 30 microinch precious metal plating in contact area.
Suffix -HN designates 15 microinch precious metal plating.