



SERIES 637/638



Example Part Number 637 - 015 - 2 30 - 0 4 7

Series _____
Total Contacts _____
Plating Code _____
Contact Code _____
Material Code _____
Body Style _____
Mounting Option _____

Series

637 _____ Plug
638 _____ Receptacle

Total Contacts 015, 026, 044, 062, 078

Plating Code

2 Gold Flash (Class 3)
3 15u" (0.38um) (Class 2)
6 30u" (0.76um) (Class 1)

Contact Code

30 Low Profile PC tails, .157" (4.00mm)
31 High Profile PC tails, .169" (4.30mm)
22/32 Solder Cup

Material Code

0 Indicates Generic Internal Use Code

Body Style

4 Metal covered .276" (7.00mm) low profile
5 Metal covered .472" (12.00mm) high profile
(15-26-pin)

Mounting Option

1 .125" (3.18mm) dia. through-hole
2 #4-40 UNC threaded inserts
3 #4-40 UNC threaded standoffs
6 #4-40 UNC threaded insert w/ boardlocks
7 #4-40 UNC threaded standoff w/ boardlocks
8 #4-40 UNC threaded fixed standoffs

FEATURES

High profile available in machine contacts.
(15- and 26-pin contacts only)

.090" (2.29mm) contact spacing x .078" (1.98mm)
row spacing

Plug and receptacle in 15-, 26-, 44-, 62- and 78- pin
contact sizes

Pin and socket contact mating design with PC tail
termination

Metal shell provides EMI/RFI shielding, Plug shell indents
provide grounding and additional mating retention

Grounding features include two-prong boardlock for
exceptional retention to PC Board

Mounting options for panel mount or connector mating
include through-hole, threaded inserts boardlocks and
removeable or fixed threaded standoffs

D-shaped connector mating outline provides polarization
design based on requirements of MIL-C-24308,
EIA RS-232, and RS-449

SPECIFICATIONS

Insulator Material: Thermoplastic polyester, UL 94V-0;
chemical resistant; colour - black

Ferrite Specifications: Attenuation - 20dB MIN @ 30Mhz
30dB MIN @ 50Mhz and 50dB MIN @ 100 Mhz

Contact Material: Plug- brass; receptacle contacts
phosphor bronze

Contact Plating: Gold over nickel for the mating area,
tin plating on contact tails

Shell Material: Nickel plated steel, (tin optional)

Current Rating: 5 amperes

Contact Resistance: 10 milliohms maximum

Dielectric Withstanding Voltage: 1000 V AC rms at sea level

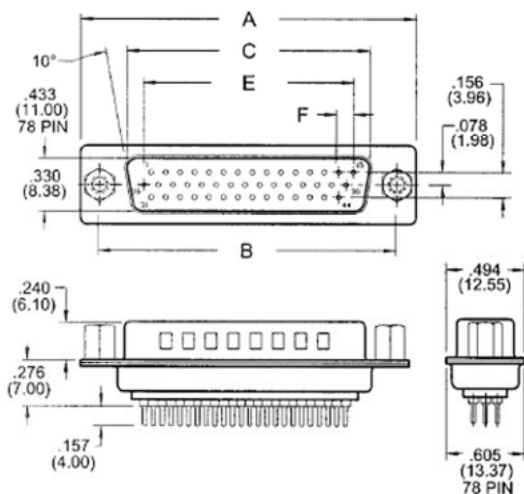
Insulation Resistance: 5000 megohms minimum

Operating Temperature: -55 to + 105 degrees C

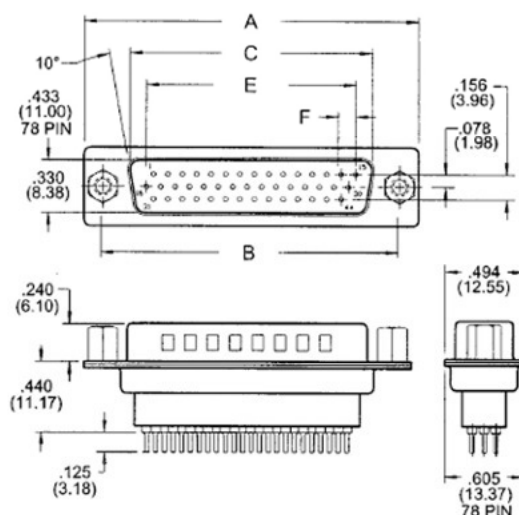
Engagement and Separation Force: 1 to 10 oz
(0.28 to 2.78 N) per contact position

PLUG 637 SERIES

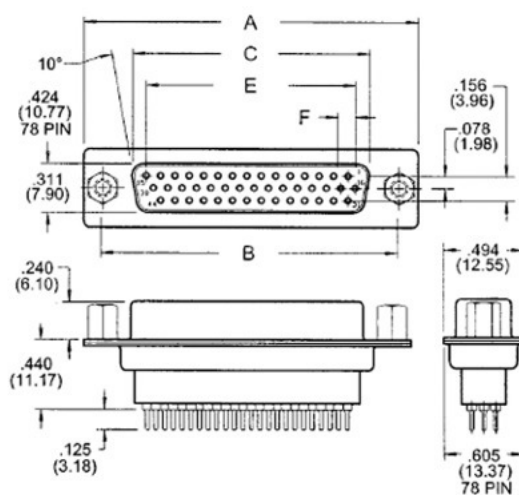
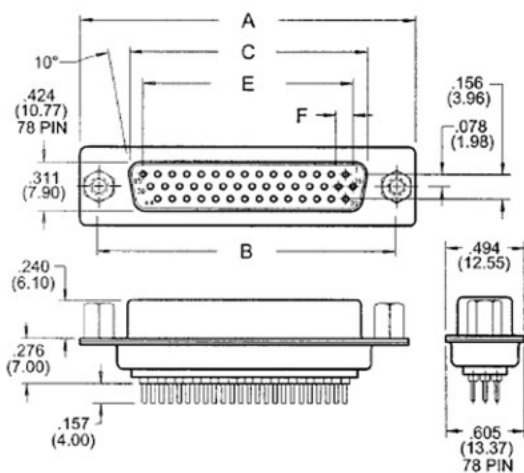
LOW PROFILE



HIGH PROFILE



RECEPTACLE 638 SERIES



NUMBER OF CONTACTS	A		B		C PLUG		C RECEPTACLE		E		F	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
15	1.214	(30.84)	.984	(24.99)	.667	(16.92)	.640	(16.26)	.405	(10.29)	.090	(2.29)
26	1.545	(39.24)	1.312	(33.32)	.994	(25.25)	.967	(24.56)	.765	(19.43)	.090	(2.29)
44	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.508	(38.30)	1.305	(33.15)	.090	(2.29)
62	2.730	(69.34)	2.500	(63.50)	2.182	(55.42)	2.156	(54.76)	1.947	(49.45)	.095	(2.41)
78	2.635	(66.93)	2.406	(61.11)	2.090	(53.08)	2.064	(52.43)	1.805	(45.85)	.095	(2.41)