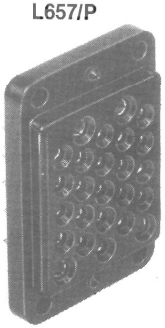
Unitors

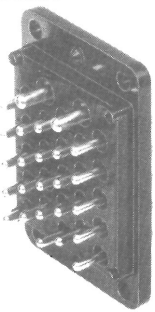
Pattern 102 connectors

These unitors were originally developed under a Government Contract in which reliability was a paramount requirement. The male contacts have a controlled degree of float to facilitate blind engagement, and the configuration is designed to obviate incorrect mating. The mouldings are track resistant, and clearance is provided between the mating faces for air to circulate and dispel any moisture deposited. All unitors have two, heavy current poles, but the 25-pole has a choice of two or four.

L657/P



L657/S



Specification:	DEF-5321
Current rating:	Small poles, 3 A Large poles, 10 A (temperature rise ⩽20 °C)
Breakdown (d.c.):	At sea level 3 kV, at 20000 m 750 V
Creepage distance:	3,1 mm between poles 4,2 mm between any pole and chassis
Contact resistance (maximum):	2 milliohms (small poles) 1,2 milliohms (large poles)
Insulation resistance:	>100 megohms
Capacitance:	4 pF (between poles) at 800 Hz
Humidity:	Class H5 (DEF-5011)
Temperature range:	−40 °C to + 100 °C (ambient)
Insertion/withdrawal force (maximum):	4,4 N per contact
Wire sizes (maximum):	Small poles 1 mm 19 s.w.g Large poles 1,7 mm 16 s.w.g.
Panel thickness:	Flange on wiring side of panel, 3,2 mm Flange on mating side of panel, no limit
Materials:	Black nylon-filled phenolic resin mouldings, silver-plated solid brass pins beryllium copper sockets. For silver finish quote part number e.g. L653/P

Weight (average, mated pair):

L653	8,4 g	L656	27,8 g
L654	13,5 g	L657	32,8 g
L655	19,6 g	L1328	37,2 g