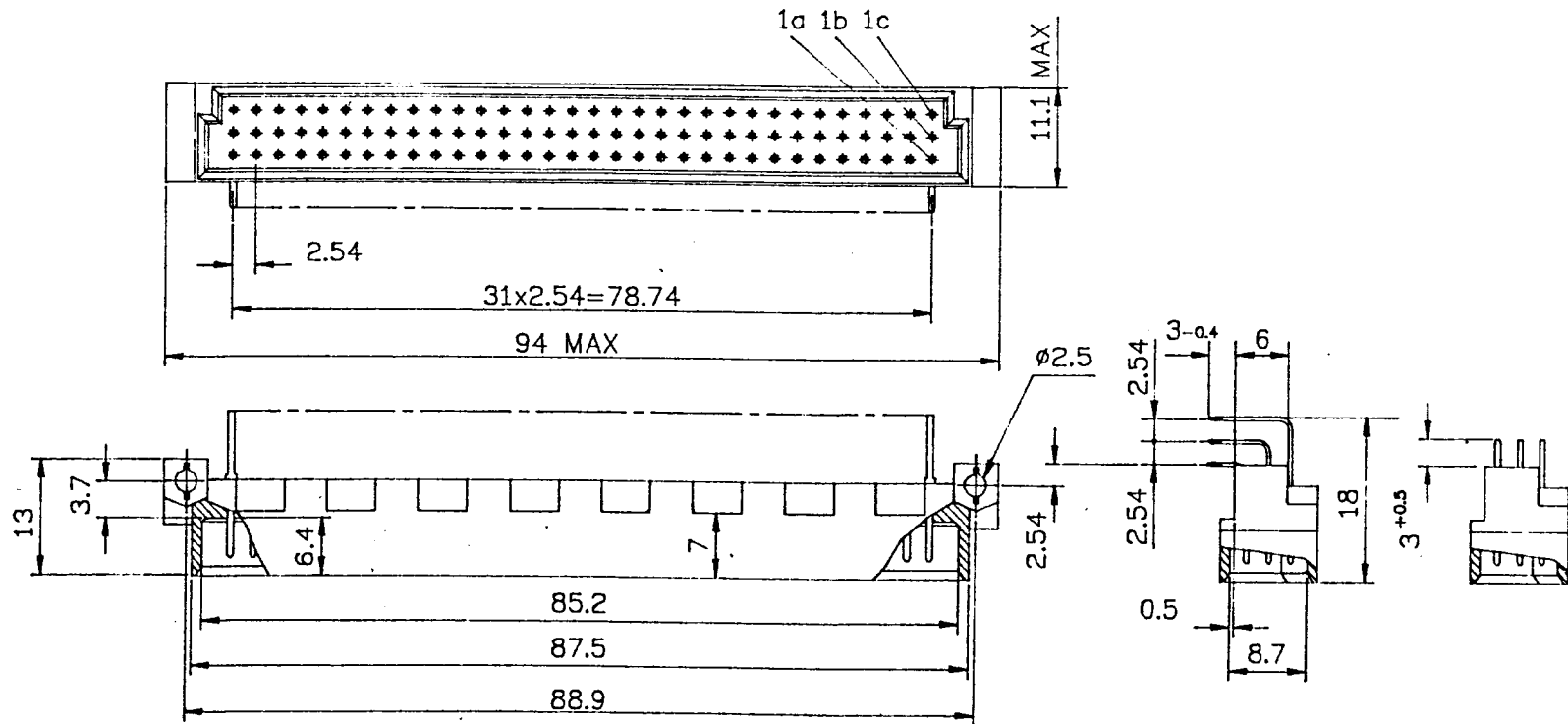


DIN41612 connectors

Order code	Manufacturer code	Description
19-0140	9001-11961C	96 WAY A+B+C LOADED C PCB PLUG LEADFREE

DIN41612 connectors	Page 1 of 3
The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003



General Specifications:

Number of contacts: 16, 24, 32, 48, 64, 96

Contact Spacing: 2.54mm (0.1"), 5.08mm (0.2" HALF-LOADED)

Material

Insulator: Glass filled polyester (PBT, UL flammability 94V-0)

Contacts: Female copper alloy, male brass

Contact finish: Contact area: gold over Nickel (per requirements of performance class 3, class 2)
Termination area: TIN-plated

Mechanical

Insertion force: 96 contacts max 90N

64 contacts max 60N

48 contacts max 45N

32 contacts max 30N

16 contacts max 15N

Withdrawl force per contact: min 0.15N

Temperature range: -55°C to +125°C

Air and creepage distance 1.2mm min

Electrical

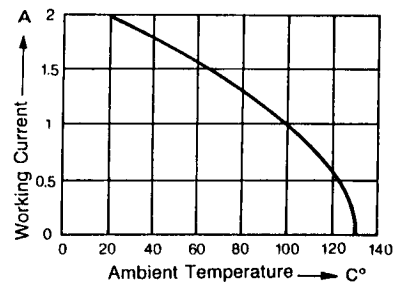
Current rating: 20°C 2A

70°C 1A

100°C 0.5A

Contact resistance: $\leq 15\text{m}\Omega$

$\leq 20\text{m}\Omega$ after 400 mating cycles



Capacitance between adjacent contacts: Appr. 2PF

Insulation resistance: $\geq 10^{12}\Omega$ (between adjacent contacts at 100 VDC)

Test voltage: 1,000Vrms between contacts (2.54mm spacing)

1,550Vrms between contacts (5.08mm spacing)

1,550Vrms between contacts and body

Operating voltage: 250VAC

★ Specifications are subject to change without prior notice.

★ All dimensions are in mm (milli meter).

Agency Approval

UL U/L File Number E149341, For all solder connectors Electric Rating: 250V, 2A