

ADAM TECH

ADAM TECHNOLOGIES INC.

D-SUBMINIATURE RIGHT ANGLE MACHINED CONTACT DPH / DSH SERIES

INTRODUCTION:

Adam Tech Machined Contact Right Angle D-Subs offer high reliability mating using round, solid metal contacts. They are used for high life cycle or open frame I/O applications in computer peripheral, data processing, telecommunications and industrial control equipment. Our design conforms to all applicable requirements of MIL-C-24308 D, ISO 2110, EIA standards RS232, RS442, RS449 and IEC 48-B-106 standards. Our low profile metal shell provides long term cycle life and EMI/ESD reductions which meet FCC Part 15, Subpart J emission limits.

FEATURES:

- Choice of .283" or .545" Footprints
- Open Frame body with machined contacts
- Fully shielded insulator
- Tin-plated or yellow chromate finish over zinc
- Choice of fixed contacts with or without support bracket

MATING OPTIONS:

Mates with Adam Tech D-Sub Series DPD, DSD, DPF, DSF and all industry standard D-Subminiature connectors

SPECIFICATIONS:

Material:

Shell: Steel, tin-plated or zinc with yellow chromate finish

Insulator: Polybutylene Terephthalate (PBT), glass reinforced thermoplastic, rated UL 94V-0

Insulator color: White

Optional color: Black

Contacts: Plug - Brass; Socket - Phosphor Bronze

Grounding Bracket: .283" Footprint: plastic .545" Footprint: Steel

Plating:

5 μ m gold nom. (optional 30 μ m) to MIL-G-45204, Type II, Grade C on contact area over 50 μ m nickel underplate to QQ-N-290, Class 2, Grade C, gold flash on tails

Electrical:

Operation voltage: 600 VDC max

Current rating: 5 Amps max

Contact resistance: 20 m Ω max

Insulation resistance: 5000 M Ω min @ 1000 VDC between adjacent contacts (75°F and 50% R.H.)

Dielectric withstanding voltage: 1000 VAC min rms (sea level)

Capacitance: 2 pF max between adjacent contacts

Mechanical:

Insertion force: 10 ozs. max with .041" dia. pin

Withdrawal force: 7.1 ozs. min with .039" dia. pin

Environmental:

Operating temperature: -65°C to +125°C

ACCESSORIES:

Dustcovers, hardware page 69

PACKAGING:

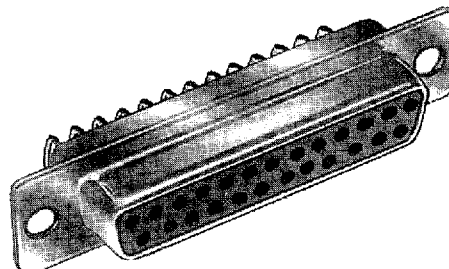
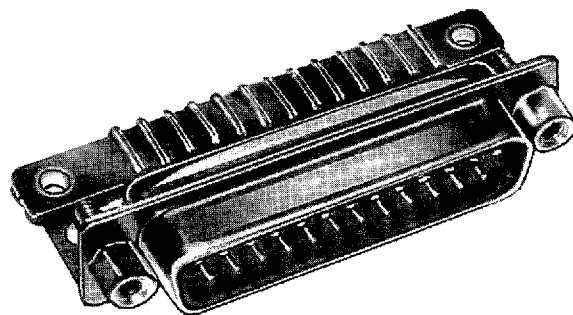
Anti-Static plastic trays

APPROVALS AND CERTIFICATIONS:

Recognized under the component program

of Underwriters Laboratories, Inc. No. E167232

Certified by Canadian Standards Association No. LR75112



ORDERING INFORMATION

DB25

SH

C

T

C

SHELL SIZE/NO. OF POSITIONS

DE09 = 9 Positions

DA15 = 15 Positions

DB25 = 25 Positions

DC37 = 37 Positions

DD50 = 50 Positions

BODY SUPPORT

A = #4-40 Jack-screws and contact bracket

C = .118" dia. Mounting holes, fixed contacts, no bracket

CONTACT TYPE

PH = Plug, Right Angle Machined Contact

SH = Socket, Right Angle Machined Contact

SHELL PLATING

T = Tin-plated
L = Yellow chromate over zinc

FOOTPRINT DIMENSION

C = .283" Footprint

F = .545" Footprint

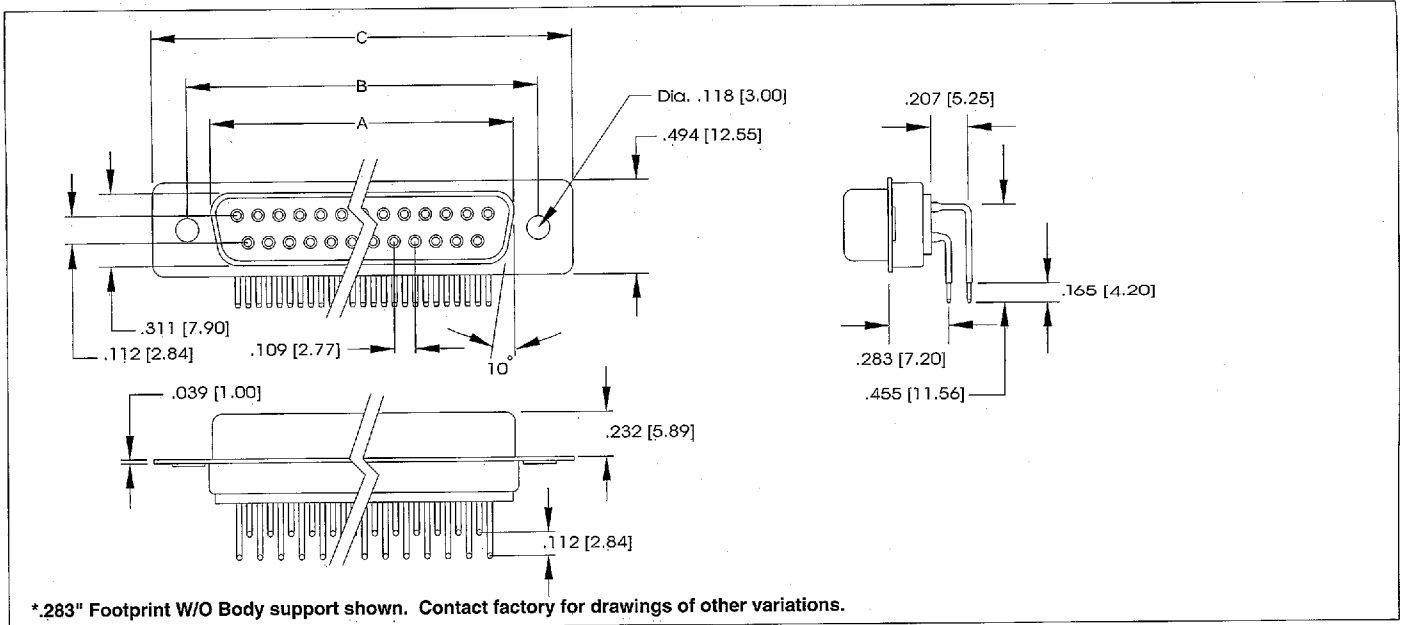
OPTIONS:

Add as suffix to basic part number

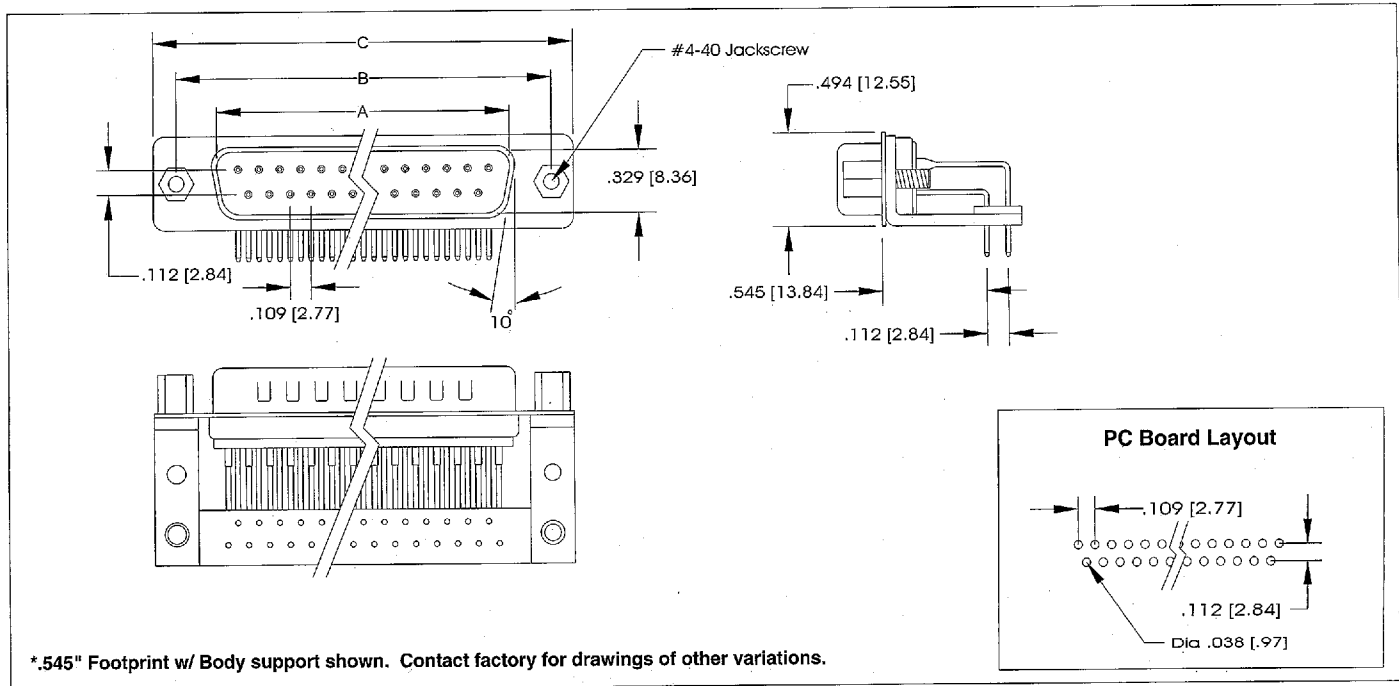
30 = 30 μ m gold plating in contact area

9017931 0000048 225

SOCKET ASSEMBLY



PLUG ASSEMBLY



Unit: Inch / mm

Dimensional: Socket Assembly				Dimensional: Plug Assembly			
CONTACTS	A	B	C	CONTACTS	A	B	C
9	.643 (16.33)	.984 (24.99)	1.213 (30.81)	9	.666 (16.92)	.984 (24.99)	1.213 (30.81)
15	.971 (24.66)	1.312 (33.32)	1.541 (39.14)	15	.994 (25.25)	1.312 (33.32)	1.541 (39.14)
25	1.511 (38.38)	1.852 (47.04)	2.088 (53.04)	25	1.534 (38.96)	1.852 (47.04)	2.088 (53.04)
37	2.159 (54.84)	2.500 (63.50)	2.729 (69.32)	37	2.182 (55.42)	2.500 (63.50)	2.729 (69.32)
50	2.064 (52.43)	2.406 (61.11)	2.635 (66.93)	50	2.079 (52.81)	2.406 (61.11)	2.635 (66.93)

9017931 0000049 161