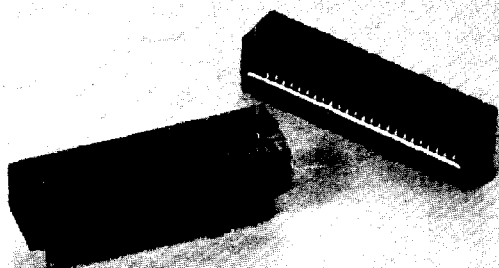


.050" (1.27mm) Series 271 & 275 Low Profile Card Edge Connector



D

Features and Benefits

- Insulator profile only .320" high for miniature applications
- Accepts standard .062" ± .008" daughter boards
- Available in .050" x .100" centers, dip solder; .050" x .075" center, dip solder, surface mount
- Unique inverse bellows contact for long term reliability
- Molded with high temperature materials for compatibility with modern soldering techniques
- Plating options include select gold, tin and palladium nickel
- Crowned point of contact for maximum PSI at contact-to-board interface
- Integral board standoffs for easy draining of cleaning solutions

Specifications

Materials

Contact Material: Copper Alloy

Insulator Material: High Temperature Thermoplastic, UL94V-0

Clip Material: Brass, tin plated

Operating Temperature: -55° to + 85°C

Mechanical Performance

Durability: 5000 cycles of engagement/disengagement

Vibration: Per MIL-STD-1344, method 2005

Shock: Per Mil-STD-1344, method 2004

Normal Force: 130 grams, average

Insetion Force: 16 ounce maximum

Withdrawal Force: 1/2 ounce minimum

PART NUMBER CODING

27X-XX-XXX XXX-XX

CONTACT PLATING

23 = SELECT GOLD (.000030 MIN) IN CONTACT AREA WITH TIN LEAD TAILS OVER (.000050/.000075) NICKEL OVERALL UNDERPLATE

41 = BRIGHT TIN (.000200 MIN.) OVER (.000050/.000075) NICKEL OVERALL UNDERPLATE

90 = SELECT GOLD FLASH OVER SELECT PALLADIUM NICKEL (.000040 MIN) IN CONTACT AREA OVER (.000050/.000075) NICKEL OVERALL

TAIL STYLE

DS1= DIP SOLDER

SM = SURFACE MOUNT

NUMBER OF POSITIONS

020 = 20/10

024 = 24/12

050 = 50/25

060 = 60/30

100 = 100/50

112 = 112/56

132 = 132/66

MOUNTING CLIPS

00 = W/O MOUNTING CLIPS - DS ONLY

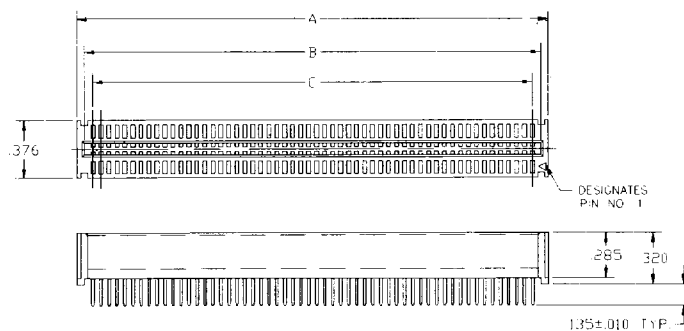
01 = W/ MOUNTING CLIPS - SM ONLY

SERIES DESCRIPTION

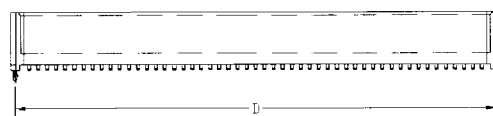
1 = STD DIP SOLDER, SURFACE MOUNT

5 = .050" X .075" STAGGERED TAIL, DIP SOLDER VERSION ONLY

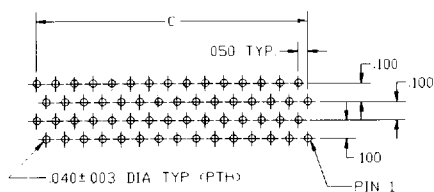
No. of Contacts	No. of Positions	A	B	C	D
20	10	.640	.550	.450	.594
24	12	.740	.650	.550	.694
50	25	1.390	1.300	1.200	1.344
60	30	1.640	1.550	1.450	1.594
100	50	2.640	2.550	2.450	2.594
112	56	2.940	2.850	2.750	2.894
132	66	3.440	3.350	3.250	3.394



DIP SOLDEER VERSION

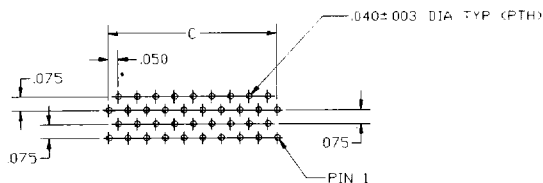


SURFACE MOUNT VERSION



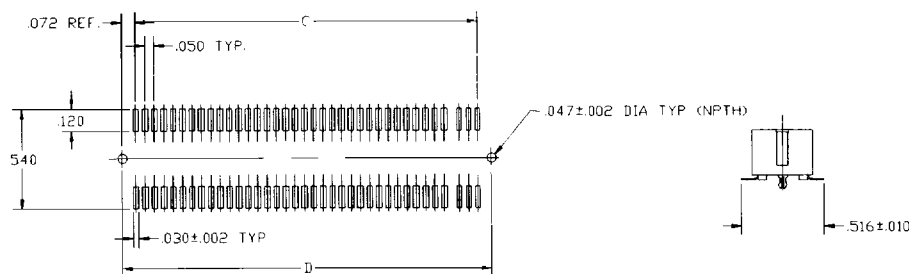
RECOMMENDED P.C.B. LAYOUT
271-00-XXXDSX-XX
TAIL CONFIGURATION

271-XX-XXXDS1-XX
TAIL CONFIGURATION
(.050 X .100)



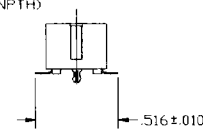
RECOMMENDED P.C.B. LAYOUT
275-00-XXXDSX-XX
TAIL CONFIGURATION

275-XX-XXXDS1-XX
TAIL CONFIGURATION
(.050 X .075)



RECOMMENDED P.C.B. LAYOUT
271-XX-XXXSM-XX
TAIL CONFIGURATION

271-XX-XXXSM-XX
TAIL CONFIGURATION
(SURFACE MOUNT)



D