



RECOMMENDED PCB LAYOUT (TOP VIEW)

MATERIAL

INSULATOR: GLASS-REINFORCED THERMOPLASTIC.
 CONTACT: COPPER ALLOY.
 PLATING: MATING AREA - GOLD FLASH GOLD OVER NICKEL.
 SOLDER AREA - TIN OVER NICKEL.

ELECTRICAL

VOLTAGE RATING: 250 VAC RMS.
 CURRENT RATING: 1 AMP.
 DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC RMS 60Hz
 FOR 1 MINUTE.
 INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC.
 CONTACT RESISTANCE: 30 MILLIOHMS MAX.

MECHANICAL

RETENTION FORCE: 460 GRAMS MIN PER CONTACT.
 INSERTION FORCE: 230 GRAMS MAX PER CONTACT PAIR.
 WITHDRAWAL FORCE: 15 GRAMS MIN PER CONTACT PAIR.

ENVIRONMENTAL

TEMPERATURE RANGE: -55°C TO +85°C.

Circuit	Dimension			Circuit	Dimension		
	A	B	C		A	B	C
04	8.64	3.81	1.27	38	30.23	25.40	22.86
06	9.91	5.08	2.54	40	31.50	26.67	24.13
08	11.18	6.35	3.81	42	32.77	27.94	25.40
10	12.45	7.62	5.08	44	34.04	29.21	26.67
12	13.72	8.89	6.35	46	35.31	30.48	27.94
14	14.99	10.16	7.62	48	36.58	31.75	29.21
16	16.26	11.43	8.89	50	37.85	33.02	30.48
18	17.53	12.70	10.16	52	39.12	34.29	31.75
20	18.80	13.97	11.43	54	40.39	35.56	33.02
22	20.07	15.24	12.70	56	41.66	36.83	34.29
24	21.34	16.51	13.97	58	42.93	38.10	35.56
26	22.61	17.78	15.24	60	44.20	39.37	36.83
28	23.88	19.05	16.51	80	56.90	52.07	49.53
30	25.15	20.32	17.78	100	69.60	64.77	62.23
32	26.42	21.59	19.05	120	82.30	77.47	74.93
34	27.69	22.86	20.32	124	84.84	80.01	77.47
36	28.96	24.13	21.59	160	107.70	102.87	100.33
				182	121.67	116.84	114.30

RoHS Compliant

All Connectors

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DRAWING BY CY		TOLERANCES ARE X ± .X ± .XX ± .XXX ± ANG ±
CHECKED BY GENIUS		
UNIT/ mm	SCALE 1 : 1	
DATE		
SIZE A4	PJECTION	



ORDER INFORMATION

HE-D-xxx-LF

SERIES | DIP 180° | LEADFREE

004~182WAY

DESCRIPTION: 1.27 PITCH CARD EDGE