

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.

SOLDERABILITY: 260°C ±5°C/10sec±1sec

**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.

PIN	DIMENSION					PIN	DIMENSION				
	A	B	C	D	E		A	B	C	D	E
10	21.85	15.35	9.60	7.62	5.08	56	51.06	44.56	38.81	36.83	34.29
12	23.12	16.62	10.87	8.89	6.35	60	53.60	47.10	41.35	39.37	36.83
18	26.93	20.43	14.68	12.70	10.16	62	54.87	48.37	42.62	40.64	38.10
20	28.20	21.70	15.95	13.97	11.43	64	56.14	49.64	43.89	41.91	39.37
22	29.47	22.97	17.22	15.24	12.70	68	58.68	52.18	46.43	44.45	41.91
28	33.28	26.78	21.03	19.05	16.51	70	59.95	53.45	47.70	45.72	43.18
30	34.55	28.05	22.30	20.32	17.78	72	61.22	54.72	48.97	46.99	44.45
32	35.82	29.32	23.57	21.59	19.05	80	66.30	59.80	54.05	52.07	49.53
34	37.09	30.59	24.84	22.86	20.32	90	72.65	66.15	60.40	58.42	55.88
36	38.36	31.86	26.11	24.13	21.59	98	77.73	71.23	65.48	63.50	60.96
38	39.63	33.13	27.38	25.40	22.86	100	79.00	72.50	66.75	64.77	62.23
40	40.90	34.40	28.65	26.67	24.13	110	85.35	78.85	73.10	71.12	68.58
42	42.17	35.67	29.92	27.94	25.40	112	86.62	80.12	74.37	72.39	69.85
44	43.44	36.94	31.19	29.21	26.67	120	91.70	85.20	79.45	77.47	74.93
46	44.71	38.21	32.46	30.48	27.94	124	94.24	87.74	81.99	80.01	77.47
48	45.98	39.48	33.73	31.75	29.21	150	110.96	104.46	98.71	96.73	94.19
50	47.25	40.75	35.00	33.02	30.48	184	132.34	125.84	120.09	118.11	115.57

RoHS Compliant

TOLERANCES ARE

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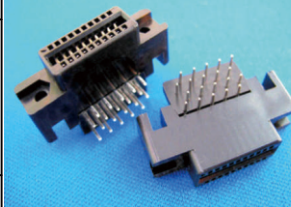
UNIT/mm SCALE 1:1

DATE

SIZE A4

PJECTION

X. ±  
.X ±  
.XX ±  
.XXX ±  
ANG ±



**ORDER INFORMATION**

HES-RE-xxx-LF  
SERIES | LEADFREE  
| 010~184WAY  
| WITH EAR  
| DIP 90°

DESCRIPTION: 1.27 PITCH CARD EDGE ROW GAP 1.90mm R/A WITH MOUNTING EAR