

0.80 mm Pitch | Vertical SMT | 5.0 mm Mated Height

66C3

Female Socket 66C3-F / Male Header 66C3-M

CUSTOMER-CRITICAL SPECIFICATIONS	SERIES CONFIGURATION / CUSTOMER USE
■ Current rating: 1.5 A ■ Dielectric withstand: 500 V AC / minute ■ Contact resistance: 50 mOhm max. ■ Insulation resistance: 1000 MOhm at 500 V DC / 0.1 s ■ Operating temperature: -40 C to +105 C ■ Housing: LCP, white, UL94V-0 ■ Contact: copper alloy; gold plated in contact area; gold flash in solder area; 50 microinch min. nickel underplate overall ■ Cap: SUS304 3/4H	FEMALE SOCKETMALE HEADER 66C3-F plastic height 3.75 mm66C3-M plastic height 4.60 mm MATED HEIGHTPITCH 5.0 mm0.80 mm DIMENSION FORMULAS (single-row pin count N) A = N x 0.80 + 5.80 B = N x 0.80 - 0.80D = N x 0.80 + 4.20C (Female) = N x 0.80 + 1.10 C (Male) = N x 0.80 + 0.80 Use pages 4-5 for enlarged mechanical geometry, PCB footprint and the full A/B/C/D dimension tables.

ORDER INFORMATION			
Female: 66C3-F XXX XX 037 R 01 Male: 66C3-M XXX XX 046 R 01			
PIN COUNT	CONTACT PLATING	PLASTIC HEIGHT	PACKAGING
See pin selection table 10, 20, 30, 40, 50, 60, 70, 80, 100, 120, 140, 150, 160, 180, 200 total contacts	G0 = Gold Flash G1 = 1u" Gold G2 = 3u" Gold G3 = 5u" Gold G4 = 10u" Gold G5 = 15u" Gold G6 = 30u" Gold	Female socket 037 = 3.75 mm Male header 046 = 4.60 mm	T = TUBE P = TUBE + CAP R = TAPE REEL E = PE BAG

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CUSTOMER DRAWING

NOTES:

1. FINISH:

- 1.1 HOUSING: LCP WHITE ,UL94V-0.
1.2 CONTACT: COPPER ALLOY,GOLD (SEE P/N) PLATED IN CONTACT AREA, GOLD FLASH PLATED IN SOLDER AREA, 50u" MIN. NICKEL UNDERPLATED OVERALL.
1.3 CAP: SUS304 3/4H.

2. ELECTRICAL:

- 2.1 CURRENT RATING:1.5A;
2.2 DIELECTRIC WITHSTANDING VOLTAGE: 500V AC/MINUTE.
2.3 CONTACT RESISTANCE: 50mΩ MAX.
2.4 INSULATION RESISTANCE: 500V DC/0.1S/1000MΩ
2.5 OPERATION TEMPERATURE:-40°C TO +105°C.

3.ORDER INFORMATION:

66C3-F XXX XX 037 R 01

Pin数码
SEE TABLE

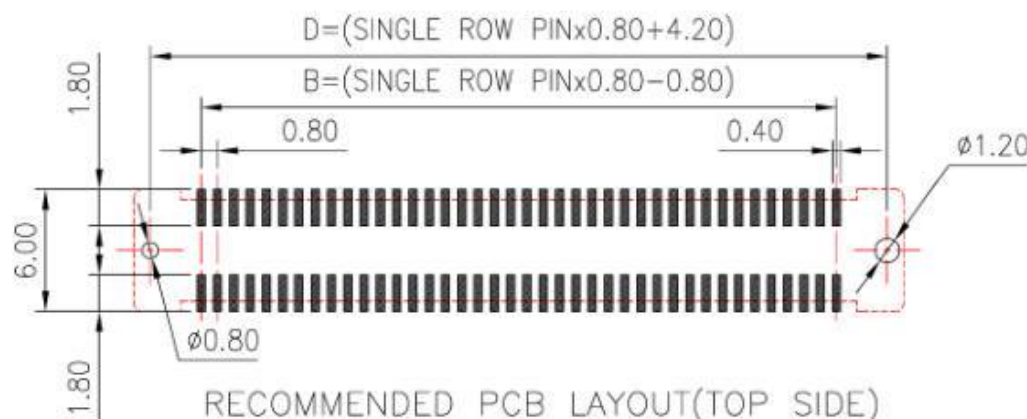
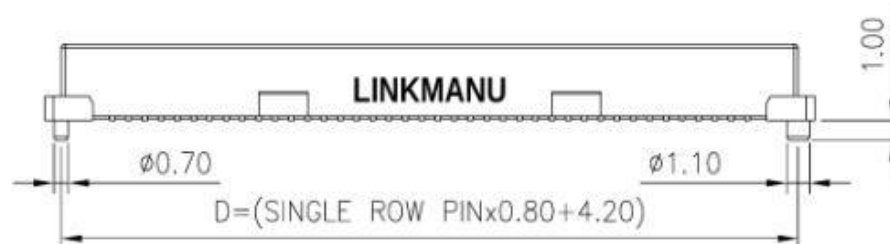
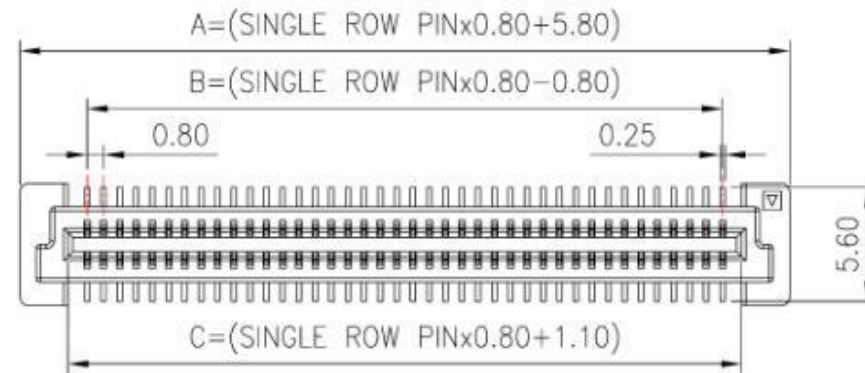
端子电镀:
G0=Gold Flash
G1=1u" Gold
G2=3u" Gold
G3=5u" Gold
G4=10u" Gold
G5=15u" Gold
G6=30u" Gold

塑胶高度:
037=3.75mm

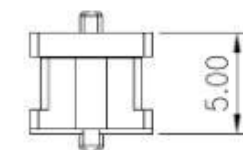
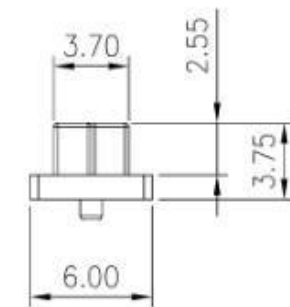
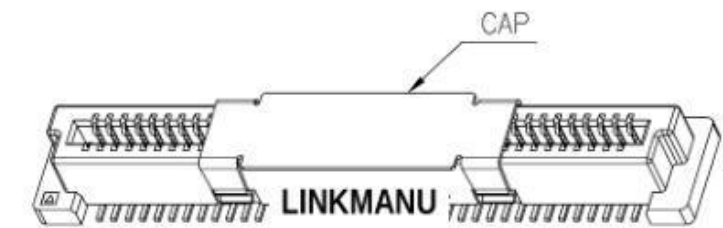
包装方式:
T=TUBE
P=TUBE+CAP
R=TAPE REEL
E=PE袋

TABLE.

PIN No.	A	B	C	D
010=2*05PIN	9.80	3.20	5.10	8.20
020=2*10PIN	13.80	7.20	9.10	12.20
030=2*15PIN	17.80	11.20	13.10	16.20
040=2*20PIN	21.80	15.20	17.10	20.20
050=2*25PIN	25.80	19.20	21.10	24.20
060=2*30PIN	29.80	23.20	25.10	28.20
070=2*35PIN	33.80	27.20	29.10	32.20
080=2*40PIN	37.80	31.20	33.10	36.20
100=2*50PIN	45.80	39.20	41.10	44.20
120=2*60PIN	53.80	47.20	49.10	52.20
140=2*70PIN	61.80	55.20	57.10	60.20
150=2*75PIN	65.80	59.20	61.10	64.20
160=2*80PIN	69.80	63.20	65.10	68.20
180=2*90PIN	77.80	71.20	73.10	76.20
200=2*100PIN	85.80	79.20	81.10	84.20



RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLFRANCE ±0.05



产品合高5.0mm

OPERATION		DRAW	WLY	2019.08.22
X.X	±0.40	DESIGN	Jensen	2019.08.22
X.XX	±0.25	CHECK	Jack	2019.08.22
X.XXX	±0.15	APPROVE	Andy	2019.08.22
Angle	±3°			
DIM.	TOL	UNIT	mm	SCALE 1:1

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CUSTOMER ENGINEERING DRAWING
0.80mm BOARD-TO-BOARD CONNECTOR

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE	SIZE	A4	PART NO.	66C3-FXXXXX037R01
A0		NEW			SHEET	1/1	TITLE:	0.80mm BTB 母座直立式SMT H5.0
					PROJ.		DRAW NO.	SP-075

LINKMANU
CUSTOMER DRAWING

NOTES:

1. FINISH:

- 1.1 HOUSING: LCP WHITE ,UL94V-0.
1.2 CONTACT: COPPER ALLOY,GOLD (SEE P/N) PLATED IN CONTACT AREA,GOLD FLASH PLATED IN SOLDER AREA, 50u" MIN. NICKEL UNDERPLATED OVERALL.
1.3 CAP: SUS304 3/4H.

2. ELECTRICAL:

- 2.1 CURRENT RATING:1.5A;
2.2 DIELECTRIC WITHSTANDING VOLTAGE: 500V AC/MINUTE.
2.3 CONTACT RESISTANCE: 50mΩ MAX.
2.4 INSULATION RESISTANCE: 500V DC/0.1S/1000MΩ
2.5 OPERATION TEMPERATURE:-40°C TO +105°C.

3.ORDER INFORMATION:

66C3-M XXX XX 046 R 01

Pin数码
SEE TABLE

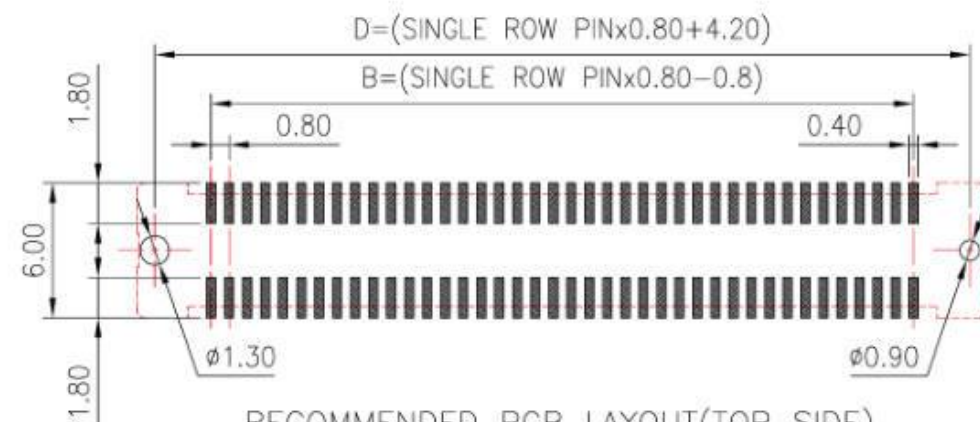
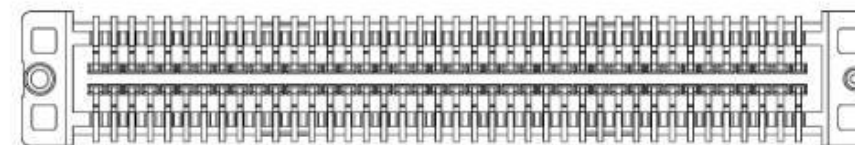
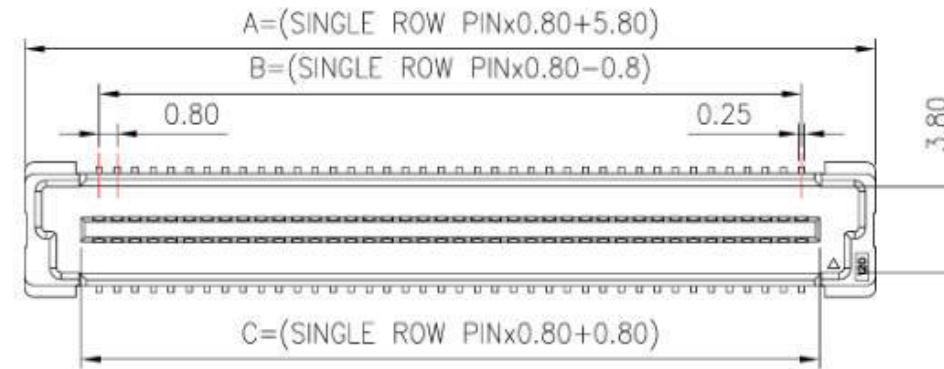
端子电镀:
G0=Gold Flash
G1=1u" Gold
G2=3u" Gold
G3=5u" Gold
G4=10u" Gold
G5=15u" Gold
G6=30u" Gold

塑胶高度:
046=4.60mm

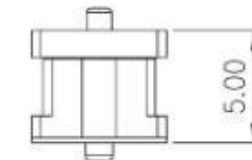
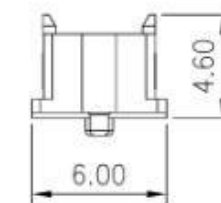
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TABLE.

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040=2*20PIN	21.80	15.20	16.80	20.20
050=2*25PIN	25.80	19.20	20.80	24.20
060=2*30PIN	29.80	23.20	24.80	28.20
070=2*35PIN	33.80	27.20	28.80	32.20
080=2*40PIN	37.80	31.20	32.80	36.20
100=2*50PIN	45.80	39.20	40.80	44.20
120=2*60PIN	53.80	47.20	48.80	52.20
140=2*70PIN	61.80	55.20	56.80	60.20
150=2*75PIN	65.80	59.20	60.80	64.20
160=2*80PIN	69.80	63.20	64.80	68.20
180=2*90PIN	77.80	71.20	72.80	76.20
200=2*100PIN	85.80	79.20	80.80	84.20



RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLFRANCE ±0.05



产品合高5.0mm

OPERATION	DRAW	WLY	2020.07.21
X.X ±0.40	DESIGN	Jensen	2020.07.21
X.XX ±0.25	CHECK	Jack	2020.07.21
X.XXX ±0.15	APPROVE	Andy	2020.07.21
Angle ±3°			
DIM. TOL	UNIT	mm	SCALE 1:1

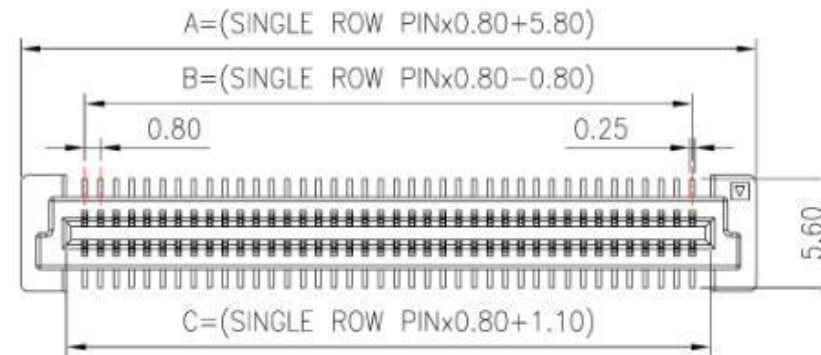
LINKMANU

CUSTOMER ENGINEERING DRAWING
0.80mm BOARD-TO-BOARD CONNECTOR

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE	SIZE	A4	PART NO.	66C3-MXXXXX046R01
A0		NEW			SHEET	1/1	TITLE:	0.80mm BTB 公头直立式SMT H5.0
					PROJ.		DRAW NO.	SP-074

66C3-F / 037 = 3.75 mm plastic height

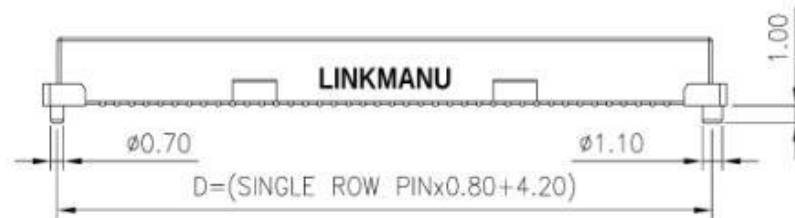
TOP / CONTACT VIEW - A, B, C ENVELOPE



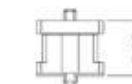
ISOMETRIC / CAP VIEW



SIDE VIEW - D ENVELOPE / LOCATING FEATURES



MATED HEIGHT REFERENCE

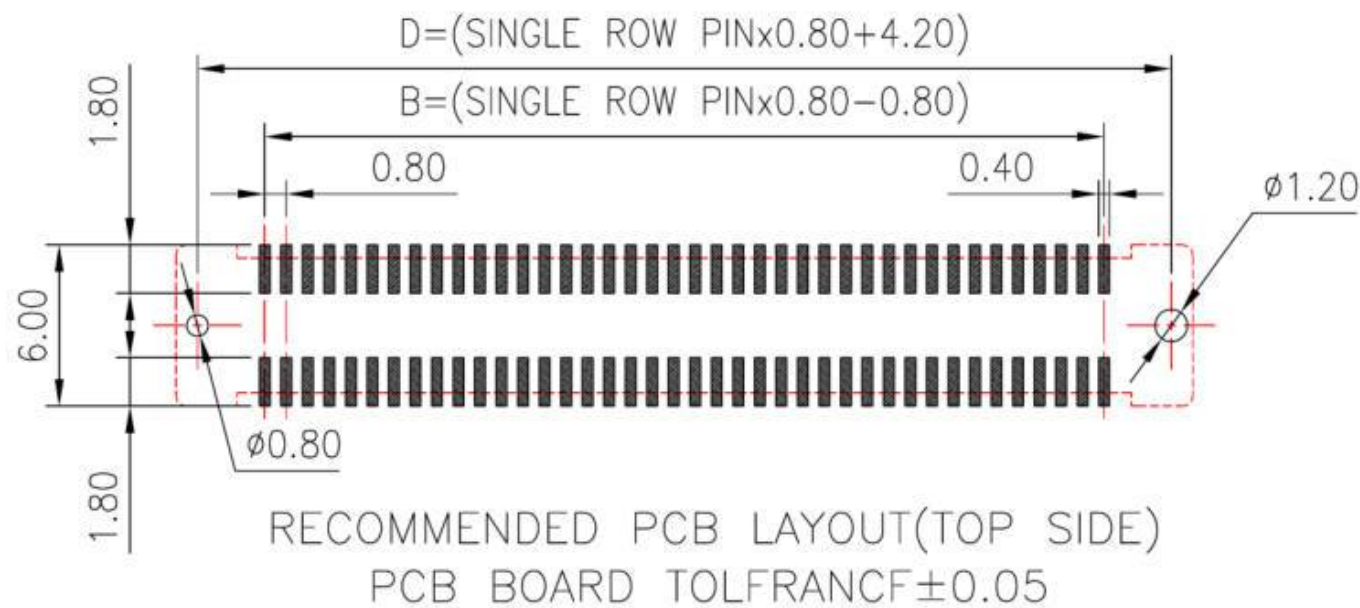


产品台高5.0mm

DIMENSION FORMULA (mm)

A	$N \times 0.80 + 5.80$
B	$N \times 0.80 - 0.80$
C	$N \times 0.80 + 1.10$
D	$N \times 0.80 + 4.20$

RECOMMENDED PCB LAYOUT - TOP SIDE



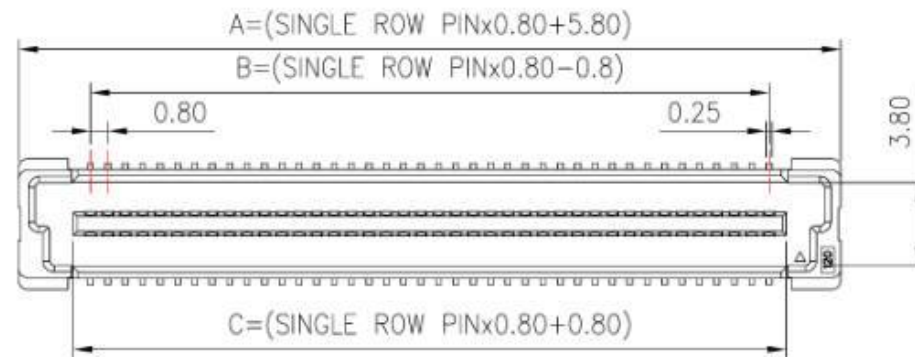
PIN No. / A / B / C / D

PIN No.	A	B	C	D
010=2*05PIN	9.80	3.20	5.10	8.20
020=2*10PIN	13.80	7.20	9.10	12.20
030=2*15PIN	17.80	11.20	13.10	16.20
040=2*20PIN	21.80	15.20	17.10	20.20
050=2*25PIN	25.80	19.20	21.10	24.20
060=2*30PIN	29.80	23.20	25.10	28.20
070=2*35PIN	33.80	27.20	29.10	32.20
080=2*40PIN	37.80	31.20	33.10	36.20
100=2*50PIN	45.80	39.20	41.10	44.20
120=2*60PIN	53.80	47.20	49.10	52.20
140=2*70PIN	61.80	55.20	57.10	60.20
150=2*75PIN	65.80	59.20	61.10	64.20
160=2*80PIN	69.80	63.20	65.10	68.20
180=2*90PIN	77.80	71.20	73.10	76.20
200=2*100PIN	85.80	79.20	81.10	84.20

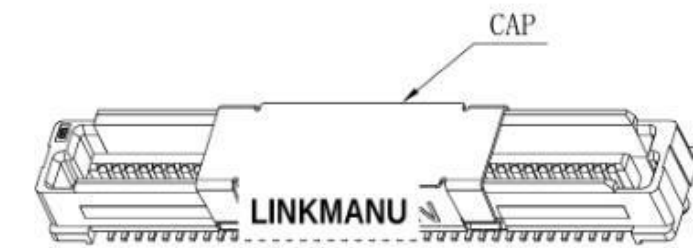
PCB locating holes shown on the supplied female drawing: dia. 0.80 and dia. 1.20. Refer to the enlarged PCB view above for exact side-specific placement.

66C3-M / 046 = 4.60 mm plastic height

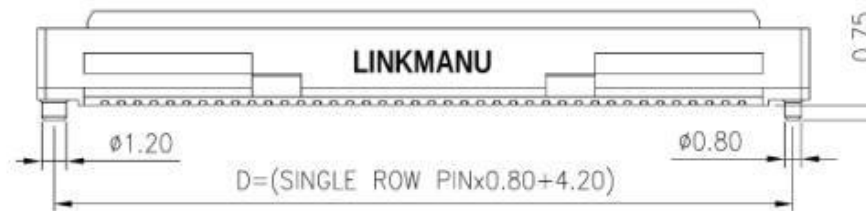
TOP / CONTACT VIEW - A, B, C ENVELOPE



ISOMETRIC / CAP VIEW



SIDE VIEW - D ENVELOPE / LOCATING FEATURES



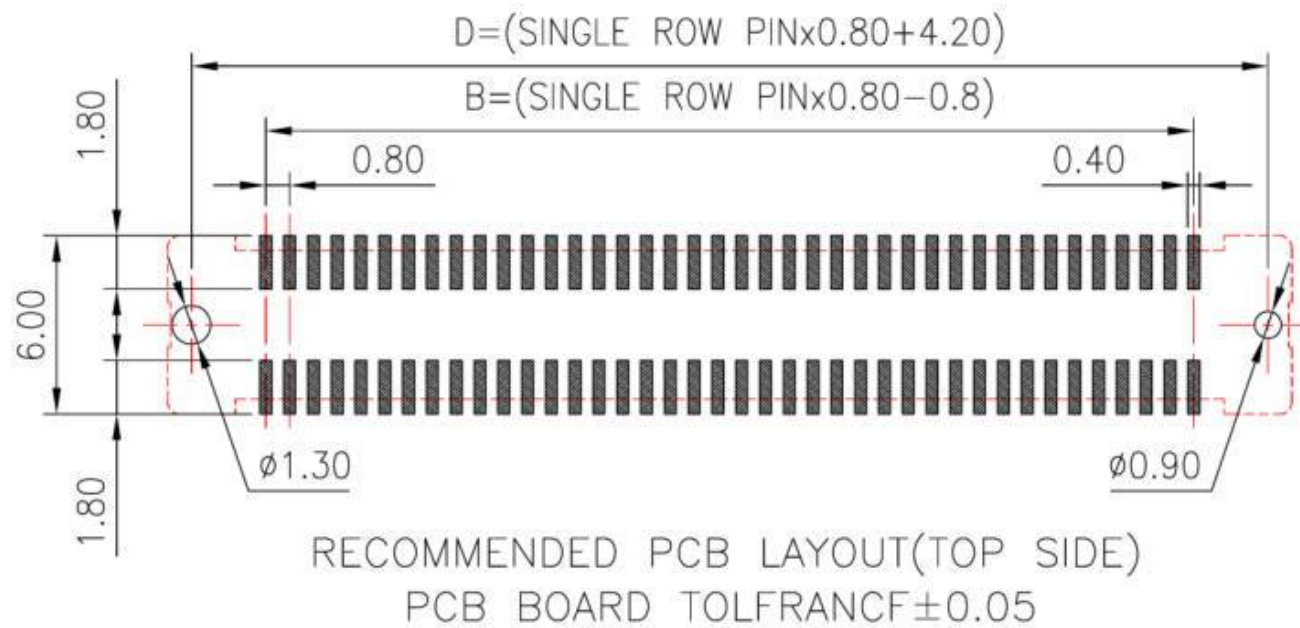
MATED HEIGHT REFERENCE



DIMENSION FORMULA (mm)

A	$N \times 0.80 + 5.80$
B	$N \times 0.80 - 0.80$
C	$N \times 0.80 + 0.80$
D	$N \times 0.80 + 4.20$

RECOMMENDED PCB LAYOUT - TOP SIDE



PIN No. / A / B / C / D

PIN No.	A	B	C	D
010=2*05PIN	9.80	3.20	4.80	8.20
020=2*10PIN	13.80	7.20	8.80	12.20
030=2*15PIN	17.80	11.20	12.80	16.20
040=2*20PIN	21.80	15.20	16.80	20.20
050=2*25PIN	25.80	19.20	20.80	24.20
060=2*30PIN	29.80	23.20	24.80	28.20
070=2*35PIN	33.80	27.20	28.80	32.20
080=2*40PIN	37.80	31.20	32.80	36.20
100=2*50PIN	45.80	39.20	40.80	44.20
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140=2*70PIN	61.80	55.20	56.80	60.20
150=2*75PIN	65.80	59.20	60.80	64.20
160=2*80PIN	69.80	63.20	64.80	68.20
180=2*90PIN	77.80	71.20	72.80	76.20
200=2*100PIN	85.80	79.20	80.80	84.20

PCB locating holes shown on the supplied male drawing: dia. 1.30 and dia. 0.90. Refer to the enlarged PCB view above for exact side-specific placement.