

RECOMMENDED PCB LAYOUT
GENERAL TOLERANCE: ±0.05
PCB THICKNESS=1.60~3.20MM

NOTE:

1. MATERIAL:
HOUSING: LCP, UL94V-0, HALOGEN FREE, COLOR: BLACK
CONTACT: COPPER ALLOY.
2. CONTACT FINISH: NICKEL 50u" Min. UNDERPLATED OVERALL.
OPTIONAL PLATING ON CONTACT AREA, TIN ON SOLDER TAIL.
3. REFER GS-20-0399 APPLICATION SPECIFICATION FOR MATING CONNECTOR .
4. PRODUCT SPECIFICATION: GS-12-1291.
5. PACKAGE SPECIFICATION: GS-14-2359
6. APPLICATION SPECIFICATION: GS-20-0399
7. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW OVEN.
8. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER
9. TO MINIMIZE INSERTION FORCE OF MOUNTING PEG DURING PICK & PLACEMENT, THE PEG HOLE DIAMETER SHOULD BE 3.5 +0.05/-0, THEN EVALUATED PER PLACEMENT EQUIPMENT
10. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004
11. HC LOGO IS ONLY BARKED FOR BMI HCC HEADER
12. PART NUMBER SCHEME:

10175353 - XX XX XX X LF

POS. CODE: X X X X X LF
04: 4 POS
06: 6 POS
8
24: 24 POS

LEAD FREE

OPTIONAL PACKAEGS:
BLANK: TRAY
K: TAPE/REEL PACKING

PEG OPTION
BLANK: WITH PLASTIC PEG
B: WITHOUT PEG
H: WITH METAL PEG
GLOW WIRE COMPATIBLE:
1: COMPATIBLE

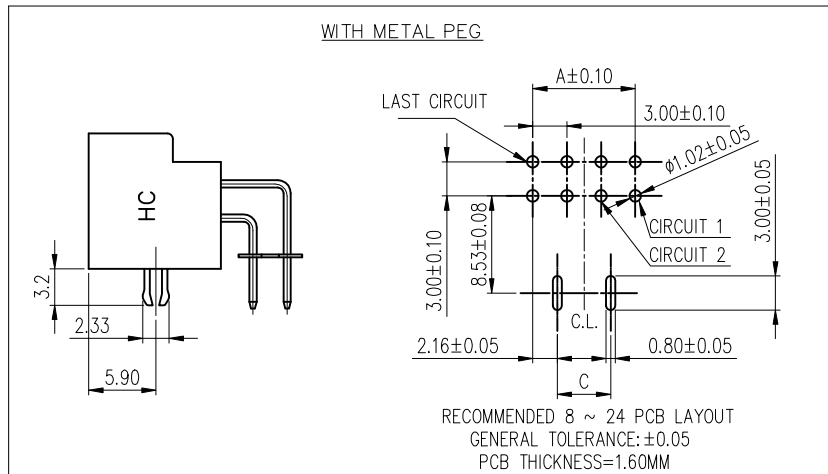
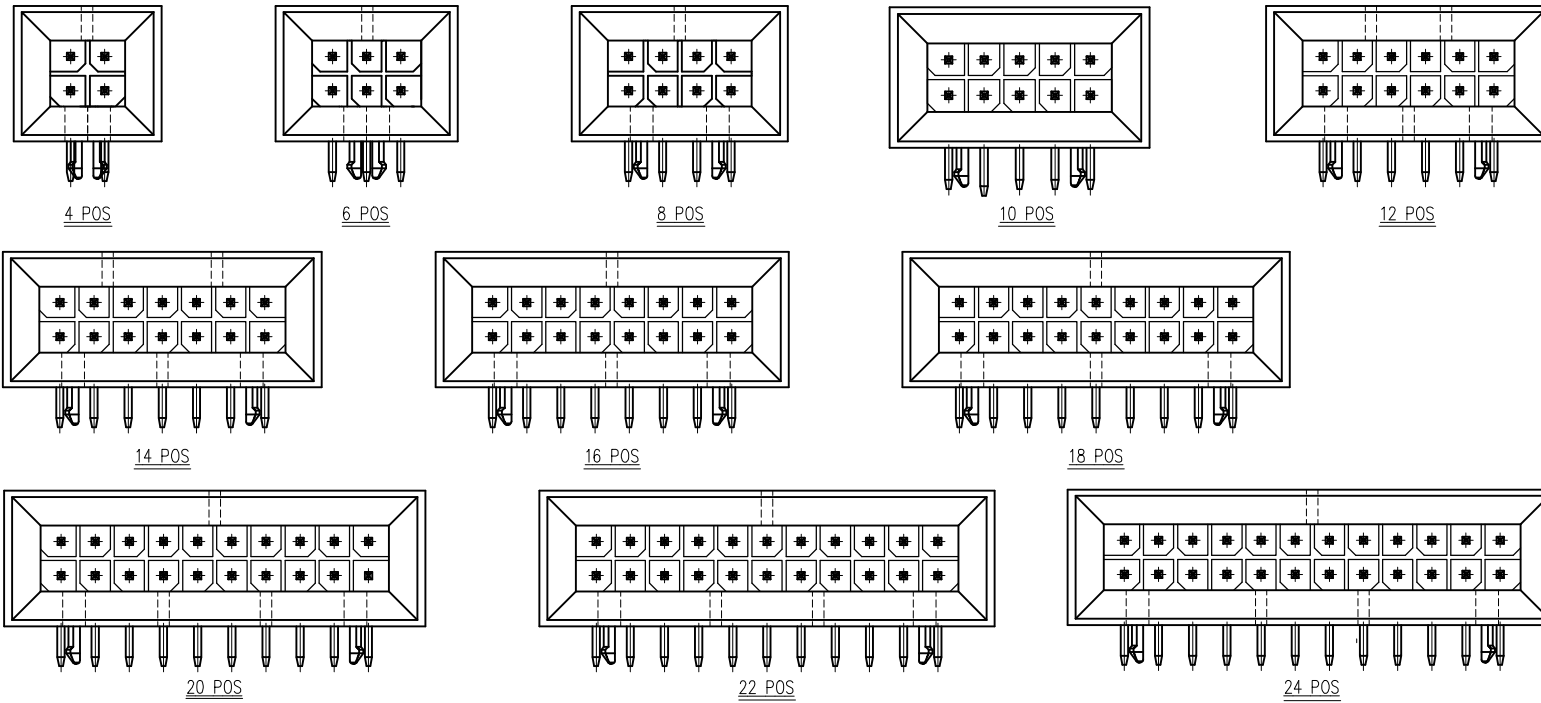
PLATING CODE:

- 1: 80u" Min. MATTE TIN OVERALL
- 3: 15u" Min Au ON CONTACT AREA,
100u" Min MATTE TIN ON TAIL
- 4: 30u" Au ON CONTACT AREA,
100u" Min MATTE TIN ON TAIL
- 5: 200u" Min. MATTE TIN OVERALL

P/N AND DIMENSIONS:

PART NUMBER	POS	A	B	C	D	E
10175353-04XXXXLF	4	3.00	13.00	NA	6.60	3.00
10175353-06XXXXLF	6	6.00	16.00	NA	9.60	3.00
10175353-08XXXXLF	8	9.00	19.00	4.68	12.60	7.70
10175353-10XXXXLF	10	12.00	22.00	7.68	15.60	10.70
10175353-12XXXXLF	12	15.00	25.00	10.68	18.60	13.70
10175353-14XXXXLF	14	18.00	28.00	13.68	21.60	16.70
10175353-16XXXXLF	16	21.00	31.00	16.68	24.60	19.70
10175353-18XXXXLF	18	24.00	34.00	19.68	27.60	22.70
10175353-20XXXXLF	20	27.00	37.00	22.68	30.60	25.70
10175353-22XXXXLF	22	30.00	40.00	25.68	33.60	28.70
10175353-24XXXXLF	24	33.00	43.00	28.68	36.60	31.70

mat'l. code		surface ISO 1302		tolerance ISO 406 ISO 1101		projection		product family MINITEK PWR3.0	
ltr		ecn no		dr		date		title	
A		-		MSHNU		2024-08-22		BMI RIGHT ANGLE HEADER DUAL ROW, HCC	
								scale N.T.S	
								Amphenol FCI	
								sheet 1 of 3 size	
								10175353 A3	
								type Product Customer Drawing	
sheet index		revision sheet		A		A			
				1		2			



mat'l. code		surface	tolerance	projection	product family
ISO 1302		ISO 406	ISO 1101		MINITEK PWR3.0
ltr		tolerances unless otherwise specified		mm	title
ecn	no	dr	date	scale	N.T.S
					BMI RIGHT ANGLE HEADER DUAL ROW, MTK3.0 STD
		dr	VISHNU BABU 2024-05-22		sheet 2 of 3 size
		eng	VISHNU BABU 2024-08-22	Amphenol FCI	10175353 A3
		chr	-		type Product Customer Drawing
		app	MITHUN PAUL 2024-08-22		
sheet index	revision sheet	A 1	A 2		