



RECOMMENDED PCB LAYOUT, PCB THICKNESS: 1.57MM
UNSPECIFIED TOLERANCE ± 0.05MM

1. MATERIAL:
HOUSING: HIGH TEMP. THERMOPLASTIC, LCP UL94V-0,
COLOUR: BLACK, GLOW WIRE COMPATIBLE
CONTACT: COPPER ALLOY.
2. PLATING FINISH
CONTACT AREA : OPTIONAL PLATING, SEE PART NUMBER LOGIC
SOLDER AREA : 100µ" MINIMUM MATTE TIN
UNDER PLATING: 50µ" MINIMUM NICKEL UNDERPLATED.
3. MATE WITH AICC RECEPTACLE: 10161719, 10168565 & 10171526
4. PRODUCT SPECIFICATION : GS-12-1706
5. PACKING SPECIFICATION : GS-14-2802
6. APPLICATION SPECIFICATION: GS-20-0704
7. IN ACCORDANCE WITH PCIE SPECIFICATION REV 5.1, VER 1
8. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW OVEN.
9. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER.
10. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
11. PART NUMBER LOGIC

10160920-XX X X X X L F

NO. OF POWER PINS LOADED _____
12 → 12 PINS

NO. OF SIGNAL PINS LOADED _____
4 → 4 PINS

TERMINATION LENGTH: _____
0 : 3.18MM
1 : 2.20MM

PLATING OPTION: _____
1: 100µ" MATTE TIN OVERALL
2: GOLD FLASH OVERALL
3: 15µ" GOLD ON CONTACT AREA AND MATTE TIN ON TERMINAL AREA
4: 30µ" GOLD ON CONTACT AREA AND MATTE TIN ON TERMINAL AREA

PACKING OPTION: _____
0 : TRAY
1 : TAPE AND REEL

LOADING OPTION: _____
0: STANDARD

spec ref		dr	Akhil Rajan	2021/06/28	projection	MM	size	A3	scale	4:1
tolerance std		eng	Vipin M-G	2024/03/28			ecn no		ELX-I-50845-2	
ISO 406 ISO 1101		chr	-	-			rel level		Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr	Paul Mithun	2024/03/28	product family		MINITEK POWER		rev	
surface	linear	0.X		±0.25		HYBRID R/A HEADER			rev	
		0.XX		±0.20		MINITEK POWER CEM-5 12V-2x6			E	
ISO 1302		angular	0°	±2°		cat. no.			-	
					sheet 2 of 2					