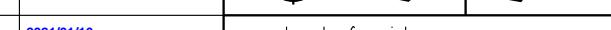


RECOMMENDED TRACE AND ANTIPAD DIMENSIONS
SCALE 2:1

spec ref		dr	P-Matthew Nebu		2011/05/20			size	A4	scale	
tolerance std		eng	Narayanan, Aru		2021/01/15			A4	1:1		
ISO 406		chr	-		-			ecn no	ELX-I-39662-1		
ISO 1101		appr	Kuriakose, San		2021/01/16			rel level	Released		
surface		linear	0.X	±0.3				dwg no	59569		
ISO 1302		angular	0°	±2°				rev	M		
					cat. no.		Product - Customer Drw		sheet 2 of 4		

NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-014 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS. SEE PRODUCT SPECIFICATION GS-12-184.
2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5, 1994.
3. MATERIAL : BODY : THERMOPLASTIC UL94-V0.
: CONTACT : COPPER ALLOY. 
4. FOR PLATING PERFORMANCE REFER DRAWING # 10159408. 
5. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.
FOR USE WITH METRAL 4000 RECEPTACLES.
DIM A : 5.00mm MIN, 6.50mm MAX FOR ROWS A,B,D,E
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS C-F
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROWS GND
FOR USE WITH METRAL 1000 RECEPTACLES/
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A,B,C,D,E
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND
6. THE MIN PCB THICKNESS FOR FRONT PLUG-UP APPLICATIONS IS 1.6mm.
7. THE 'CONNECTOR OUTLINE' IS THE MIN OUTLINE REQUIRED. TO DETERMINE THE OUTLINE NECESSARY TO PERMIT THE VARIOUS TYPES OF REPAIR OPERATIONS, SEE APPLICATION SPECIFICATION GS-20-010.

8. P/N 59569-X0IZZZLF
 
 LEAD FREE
SPECIAL LOAD PATTERN
NUMBER OF MODULES
PLATING CODE
9. AVOID TRACES ON TOP OF BOARD DUE TO EXPOSED GROUND SHIELD.
10. FOR FRONT PLUG-UP APPLICATIONS, THE EVEN NUMBERED PINS IN ROW "C" CAN BE USED FOR POWER AS WELL AS GROUND. IF THE SURROUNDING PINS ARE NOT USED FOR POWER, THEN EACH PIN CAN CARRY 3 AMPS. IF THE SURROUNDING PINS ARE USED FOR POWER, THEN EACH PIN CAN CARRY 1 AMP. WHEN THE SURROUNDING PINS ARE USED ONLY FOR LOW SPEED SIGNALS, THEN THE EVEN NUMBERED "C" ROW PINS CAN ALSO BE USED FOR LOW SPEED SIGNALS.
11. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
12. THE PRODUCTS MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004. 
13. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
14. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref	dr	p-Matthew Nebu		2011/05/20	projection	MM	size	scale
tolerance std	eng	Narayanan, Aru		2021/01/15			A4	1:1
ISO 406	chr	-		-			ecn no	ELX-I-39662-1
ISO 1101	appr	Kuriakose, San		2021/01/16	product family		rel level	Released
ISO 1302	surface	linear	0.X	±0.3		VERTICAL SIGNAL HDR. 5 ROW	dwg no	59569
			0.XX	±0.13		P. F. 30 POS. SPECIAL LOAD EXT.		
			0.XXX	±0.050				
	angular		0°	±2°		cat. no.	Product - Customer Drw	sheet 3 of 4

SPECIAL LOAD PATTERNS		
PRODUCT #	ROW	PIN CODES
59569-X01001LF	E	02
	D	
	C	
	B	
	A	
	GND	
59569-X01002LF	E	03
	D	
	C	
	B	
	A	
	GND	04

DIM A	PIN CODES
5.00	*01
5.75	02
6.50	03
7.25	04
8.00	*19

* CURRENTLY NOT AVAILABLE

spec ref	dr	P-Matthew Nebu	2011/05/20	projection	MM	size	A4	scale
tolerance std	eng	Narayanan, Aru	2021/01/15			ecn no	ELX-I-39662-1	
ISO 406	chr	-	-			rel level	Released	
ISO 1101	appr	Kuriakose, San	2021/01/16	product family				
surface	linear	0.X	±0.3	Amphenol FCi		dwg no	59569	
		0.XX	±0.13					
ISO 1302		0.XXX	±0.050					
✓	angular	0°	±2°					
				cat. no.	Product - Customer Drw	sheet	4	of 4