

WE RECOMMEND THESE
CONNECTORS FOR OPTIMAL
SERVICE LEVEL



- SHORT LEAD-TIMES
- LOW MOQs
- QUICK SAMPLING
- AVAILABLE AT DISTRIBUTION



75869-101LF	75869-105LF
75869-102LF	75869-106LF
75869-103LF	75869-108LF
75869-104LF	75869-131LF

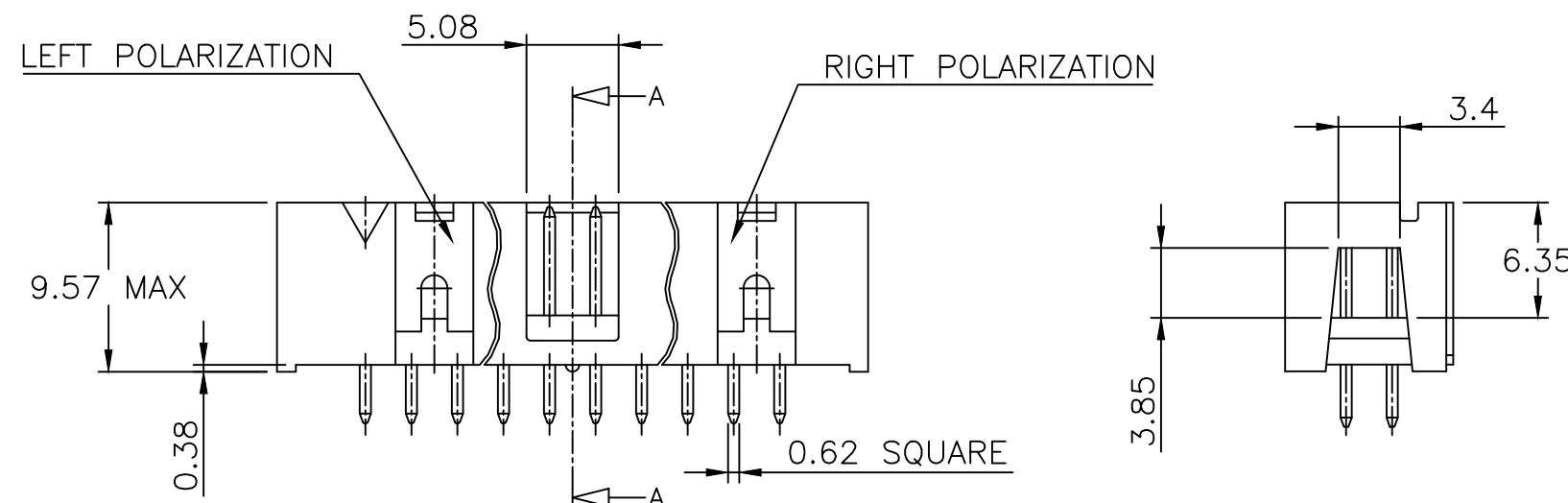
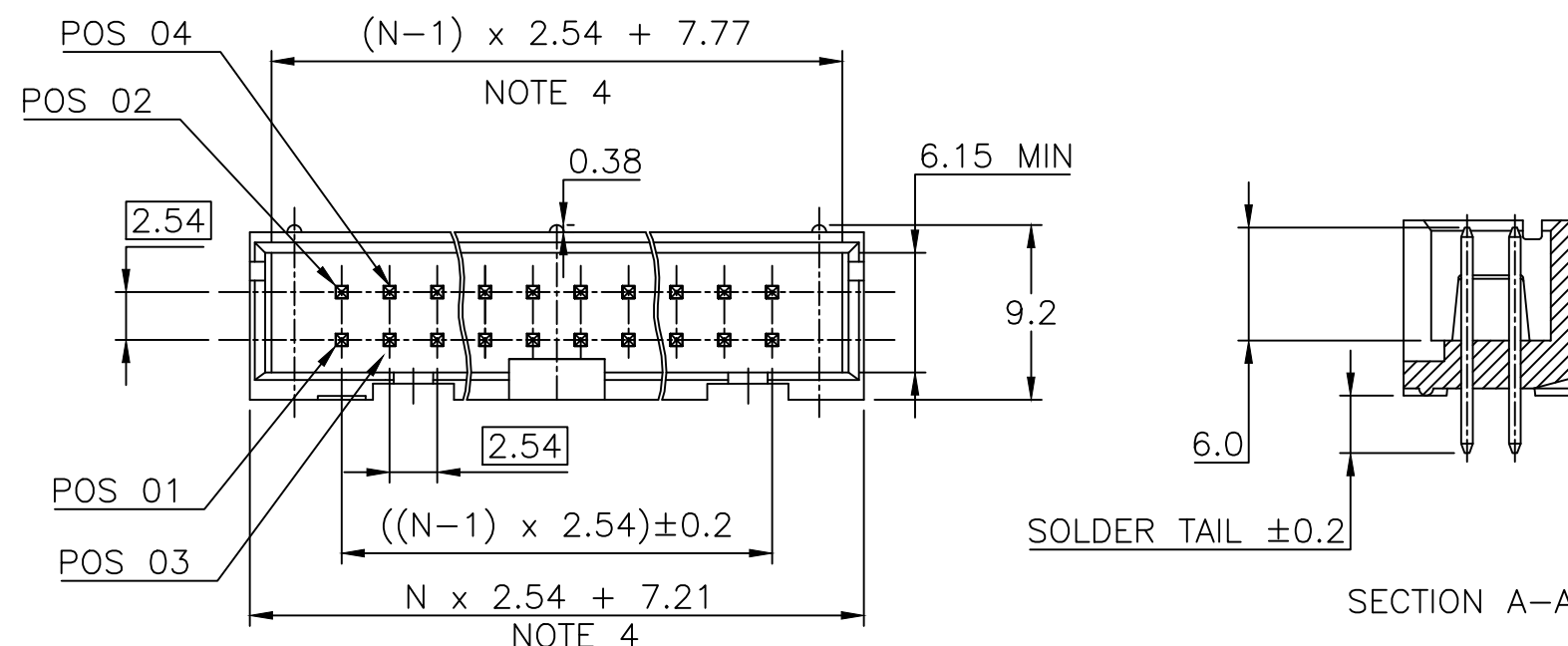
PLATING :
0.76µm GOLD/GXT ON CONTACT AREA
2µm MIN MATTE TIN ON TAIL
UNDERPLATING : 1.27µm Ni MIN

RoHS COMPATIBLE,
SEE NOTE 5

PIN STYLE

NOTES:

- 1a - HOUSING MAT'L : GLASS FILLED
THERMOPLASTIC. UL94V-0 COLOR: BLUE
PART MEETS WITH GWT (725°C;960°C)
- 1b - HIGH TEMPERATURE PLASTIC 30% GLASS REINFORCED
NON HALOGEN FLAME RETARDED MOLDING COMPOUND
COLOR BLACK
- 2 - PIN MATERIAL : PHOSPHOR BRONZE
- 3 - PACKAGING :
POLYBAGS FROM 2X02 TO 2X04 POSITIONS
TUBE FROM 2X05 TO 2X32 POSITIONS
- 4 - TO DETERMINE DIMENSIONS :
N = NUMBER OF POSITIONS PER ROW
EXAMPLE : 8 POS $N \times 2.54 = 20.32\text{mm}$
- 5 - RoHS COMPATIBLE PRODUCT SPECIFICATIONS
- a - PLATING:
- "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE
TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATING.
- b - MANUFACTURING PROCESS COMPATIBILITY
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C ±5°C SOLDER BATH
TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION
WITH A 1.6mm MIN THICK CIRCUIT BOARD.
- c - LABELLING:
- MEETS PACKAGING SPECS AS PER GS-14-920
- d - LEGAL STATEMENT: SEE GS-47-0004
- 6 - THIS PART SERIES IS NOT INITIALLY INTENDED FOR AUTOMOTIVE APPLICATIONS.
ADDITIONAL FEES ARE CHARGEABLE FOR ANY ADDITIONAL QUALIFICATION
AND TEST REPORTS PERFORMED OUTSIDE THE SCOPE OF THE STANDARD
PRODUCT SPECIFICATIONS.
- 7 - UNLESS OTHERWISE APPROVED BY AMPHENOL, ALL PARTS AND COMPONENTS
ARE DESIGNED & BUILT ACCORDING TO AMPHENOL'S SPECIFICATIONS WHICH
ARE SUBJECT TO CHANGE WITHOUT NOTICE.



mat'l. code SEE NOTES				surface ISO 1302		tolerance ISO 406 ISO 1101		projection		product family QUICKIE									
ltr	ecn no	dr	date	tolerances unless		otherwise specified		 mm scale 5:1	title										
BT	F-49191	DDE	23.09.05	angles	linear	.X ±0.3			SHR L P HEADER STR DR TMT										
BU	F-49941	DDE	23.11.29			.XX ±0.15													
BV	F-54430	DDE	25.01.24			.XXX ±0.05													
				dr	D.LE		01.01.24		dwg no				sheet 1 of 3				size		
BP	B-19070	LMU	14.10.15	enrg	JM.C		01.01.24		75869				A3						
BR	B-20087	AMA	15.01.26	chr	JF.N		01.01.24												
BS	F-43374	DDE	21.12.22	appd	JM.C		01.01.24												
sheet		revision		BR	BH	M													
index		sheet		1	2	3													

EXTENDED RANGE

STANDARD APPLICATION

PIN STYLE	NUMBER OF POSITIONS	SOLDER TAIL REF	LEFT POLARIZATION	RIGHT POLARIZATION
30	2 x 2	3.05	NO	NO
31	2 x 3	3.05	NO	NO
32	2 x 4	3.05	NO	NO
01	2 x 5	3.05	NO	YES
20	2 x 6	3.05	NO	YES
02	2 x 7	3.05	NO	YES
03	2 x 8	3.05	YES	YES
21	2 x 9	3.05	YES	YES
04	2 x 10	3.05	YES	YES
05	2 x 13	3.05	YES	YES
33	2 x 15	3.05	YES	YES
06	2 x 17	3.05	YES	YES
07	2 x 20	3.05	YES	YES
08	2 x 25	3.05	YES	YES
09	2 x 30	3.05	YES	YES
10	2 x 32	3.05	YES	YES

NOT TOOLED

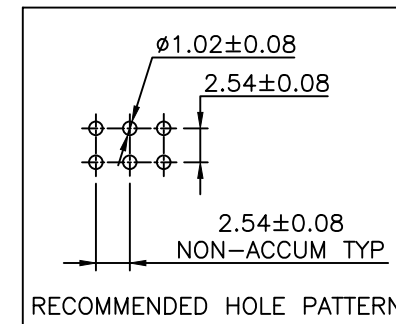
PRODUCT NUMBER
75869-YXXHFLF

RoHS COMPATIBLE, SEE NOTE 5

OPTION LETTER, NOTE 1b, OMIT FROM PRODUCT NUMBER IF NOT APPLICABLE (AS AVAILABLE)

PIN STYLE, SEE SHEET 2 & 3 (AS AVAILABLE)

PLATING SEE SHEET 2 & 3 (AS AVAILABLE)



PLATING : (AS AVAILABLE)

1 = 0.76μm GOLD/GXT
(PdNi WITH GOLD FLASH) ON CONTACT AREA
2μm MIN MATTE TIN ON TAIL

2 = 2μm TIN MIN FULL PLATED

3 = 0.38μm GOLD/GXT
(PdNi WITH GOLD FLASH) ON CONTACT AREA
2μm MIN MATTE TIN ON TAIL

UNDERPLATING : 1.27μm Ni MIN

mat'l. code SEE NOTES				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family QUICKIE			
ltr	ecn no	dr	date	tolerances unless otherwise specified					title				
BC	F08-0137	LMU	08.03.10	angles	linear	.x ±0.3			SHR L P HEADER STR DR TMT				
BD	F08-0146	YOV	08.04.11			.xx ±0.15							
BE	B-19091	LMU	14.10.16			.xxx ±0.05							
BF	F-49191	DDE	23.09.05	dr	D.LE	01.01.24		Amphenol FCI	dwg no		sheet 2 of 3	size	
BG	F-49941	DDE	23.11.29	enrg	JM.C	01.01.24			75869		A3		
BH	F-54430	DDE	25.01.24	chr	JF.N	01.01.24			type		CUSTOMER	Drawing	
				appd	JM.C	01.01.24							
sheet index		revision sheet											

SPECIFIC APPLICATION

EXTENDED RANGE



PLATING : (AS AVAILABLE)

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mat'l. code SEE NOTES				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family QUICKIE		
litr	ecn no	dr	date	tolerances unless otherwise specified		mm ←→	title SHR L P HEADER STR DR TMT		
H	B-18120	LMU	14.07.10	angles	linear				
J	B-19091	LMU	14.10.16						
K	B-20087	AMA	15.01.26			scale 5:1	dwg no 75869 sheet 3 of 3 size A3		
L	F-43374	DDE	21.12.22	dr	L.MULIN	02.01.29			
M	F-54430	DDE	25.01.24	engr	J.COMPAGNON	02.01.29			
				chr	JF.NOTTEAU	02.01.29	type CUSTOMER Drawing		
G	F12-0086	JCO	12.07.17	appd	J.COMPAGNON	02.01.29			
sheet index	revision	sheet							