

PRODUCT NUMBER
75970-YXX-XXLF

RoHS COMPATIBLE, SEE NOTE 7
TOTAL NB OF POS (02 TO 36 POS)

PIN STYLE
(AS AVAILABLE)
PLATING
(AS AVAILABLE)

- 1 = 0.76µm FULL GOLD/GXT
3 = 2µm MIN MATTE TIN FULL PLATED
7 = FULL GOLD FLASH
5/8 = 0.38µm FULL GOLD/GXT
S1 = 0.76µm GOLD/GXT, AREA "A" & "B" ONLY
1.27µm Ni MIN ON REMAINDER AREA
S8 = 0.38µm GOLD/GXT, AREA "A" & "B" ONLY
1.27µm MIN NICKEL UNDERPLATING

NOTES:

1. HOUSING MATERIAL : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK.
2. PIN MATERIAL : PHOSPHOR BRONZE.
3. 12N MIN RETENTION IN EITHER DIRECTION.
4. TO DETERMINE DIMENSIONS :
N = NUMBER OF POSITIONS PER ROW
EXAMPLE : 8 POS PER ROW, $N \times 2.54 = 20.32\text{mm}$
5. FOR STANDARD SELECTIVE GOLD PLATED PRODUCTS SEE DRAWINGS 54111 & 54121.
6. STANDARD PACKAGING IN POLYBAGS.
7. RoHS COMPATIBLE PRODUCT SPECIFICATIONS

a - PLATING:

- "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE.

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 - LABELING:

- MEETS PACKAGING SPECS AS PER GS-14-920

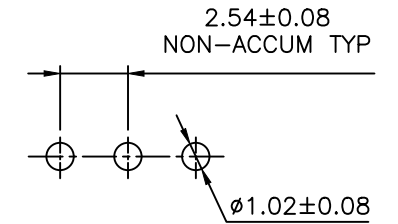
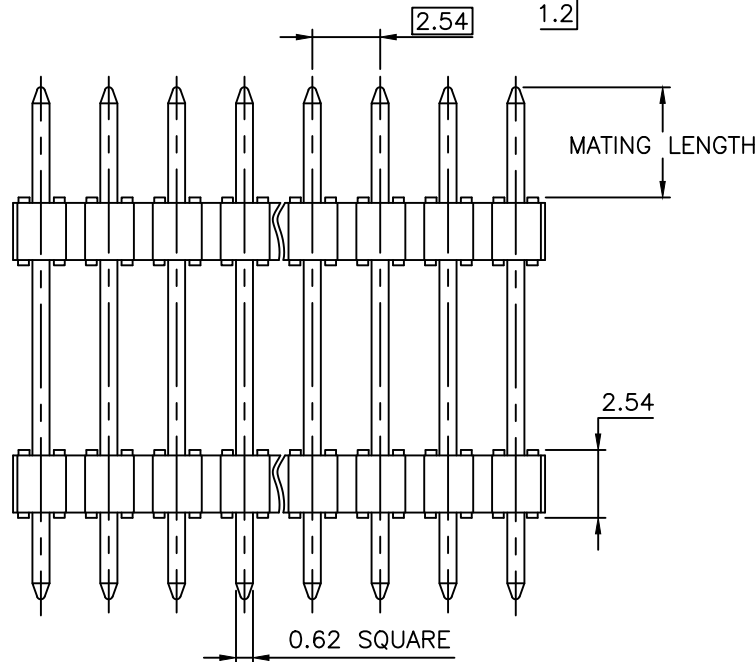
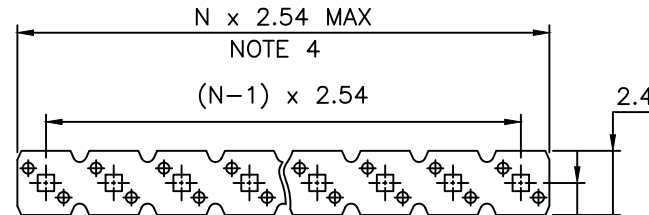
d - LEGAL STATEMENT: SEE GS-47-0004.

8. 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.

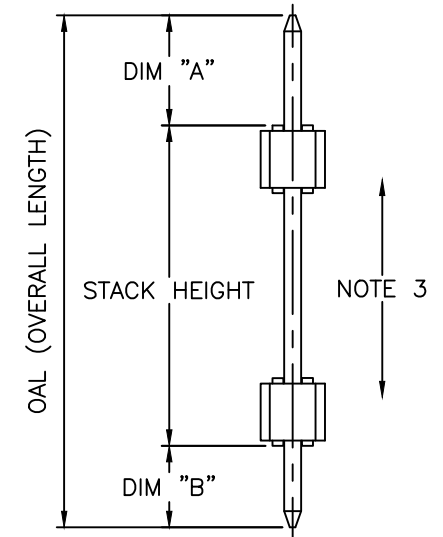
9. UNLESS OTHERWISE APPROVED BY AMPHENOL, ALL PARTS AND COMPONENTS ARE DESIGNED & BUILT ACCORDING TO AMPHENOL'S SPECIFICATIONS WHICH ARE SUBJECT TO CHANGE WITHOUT NOTICE.

EXTENDED RANGE

- TOOLING FEASIBILITY CONFIRMED
- SAMPLES ON DEMAND
- AVAILABILITY ON DEMAND



RECOMMENDED HOLE PATTERN



NOTE 3

mat'l. code SEE P/N				surface ISO 1302 ☒		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified					title				
DP	F-54498	DDE	25.02.05	angles	linear	X.X ±0.30			HEADER STR,SR DOUBLE BODY				
DR	F-57280	DDE	25.09.12			X.XX ±0.13							
DS	F-279782	DDE	26.02.27			X.XXX ±0.05							
DT	F-285293	DDE	26.04.03	dr	J.COMPAGNON	94.07.01	Amphenol FCI		dwg no		sheet 1 of 4	size	
				enrg	J.COMPAGNON	95.09.25			75970		A3		
DM	F-46845	DDE	22.12.21	chr	J.COMPAGNON	95.09.25							
DN	F-50789	LMU	24.02.21	appd	J.COMPAGNON	95.09.25							
sheet index	revision sheet	DT	CP	G	A				type	CUSTOMER	Drawing		
		1	2	3	4								

APPLICATION SPECIFIC

PIN STYLE	DIM "A" ±0.2	STACK HEIGHT ±0.25	DIM "B" ±0.25	("OAL") REF
01	9.99	13	3.05	26.04
04	6.33	6.5	3.05	15.88
05	11.69	11.3	3.05	26.04
06	8.71	19.76	2.65	31.12
08	5.51	8	3.05	16.56
10	3.14	19.76	3.14	26.04
11	3.55	16.4	3.55	23.5
12	5.72	5.08	2.54	13.34
13	6.00	7.00	3.56	16.56
16	5.59	13	3.05	21.64
22	7.5	15.45	3.09	26.04
25	17.3	15.7	3.2	36.2
26	9.1	15.7	3.2	28
30	2.8	13.7	2.8	19.3
31	3.11	5.08	3.11	11.3
36	5.9	10.39	3.01	19.3
41	9.45	5.5	2.7	17.65
56	10	19	3	32
58	6.5	30.5	3	40
68	6.87	16.5	3.05	26.42
69	6.87	13	3.63	23.5
75	3.1	11.45	3.1	17.65
90	7.8	33.5	3.15	44.45
93	3.3	6.5	3.3	13.08
94	3.3	7.72	3.3	14.32
AA	4.05	10.5	3.1	17.65
AB	4	29	3.2	36.2
AJ	1.4	6.5	3.4	11.3
AK	11	6	11	28
AL	8.5	6	8.5	23.0

SEE SHEET 3

APPLICATION SPECIFIC

PIN STYLE	DIM "A" ±0.2	STACK HEIGHT ±0.25	DIM "B" ±0.25	("OAL") REF
AM	5.6	29.3	3.05	37.95
AN	12.0	26.45	6.0	44.45
AP	3.42	37.60	3.43	44.45
AR	4.00	28.00	3.70	35.70
AS	8.08	5.08	2.74	15.90
AT	4.25	31.50	4.25	40.00
AW	4.95	6.00	4.95	15.90
AX	2.66	15.00	5.84	23.50
AY	8.60	6.00	8.60	23.20
BA	SEE SHEET 3			
BB	SEE SHEET 3			
BC	16.65	14.70	6.00	37.30
BD	7.01	5.25	9.39	21.65
BE	3.00	13.00	3.00	19.00
BF	6.00	30.50	6.00	42.50
BG	9.50	16.00	7.00	32.50
BH	7.50	23.00	5.70	36.20
BJ	7.70	23.00	6.30	37.00
BK	8.00	18.30	8.00	34.30
BL	5.70	53.60	5.70	65.00
BM	10.90	14.40	10.90	36.20
BN	5.95	35.10	5.95	47.00
BP	5.77	17.76	5.77	29.30
BR	8.38	14.48	8.38	31.24

SEE SHEET 3

SEE SHEET 3

SEE SHEET 3

SEE SHEET 3

SEE SHEET 4 CUSTOM APPLICATION

SEE SHEET 3

mat'l. code				surface ISO 1302 ☒		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK					
ltr ecn no dr date				tolerances unless otherwise specified		angles linear		mm		title HEADER STR,SR DOUBLE BODY					
CJ F-46845 DDE 22.12.21															
CK F-50789 LMU 24.02.21															
CL F-54498 DDE 25.02.05															
CM F-57280 DDE 25.09.12				dr		J.COMPAGNON		94.07.01							
CN F-279782 DDE 26.02.27				enrg		JM.PHAMVAN		95.03.21							
CP F-285293 DDE 26.04.03				chr		J.COMPAGNON		95.03.21							
				appd		JM.PHAMVAN		95.03.21							
sheet index		revision sheet								dwg no		sheet 2 of		size	
										75970				A3	
										type		CUSTOMER		Drawing	

SPECIFIC PRODUCT NUMBER

75970-3BAA03LF

PLATING

3 = 2µm MATTE TIN
OVER 1.27µm Ni MIN

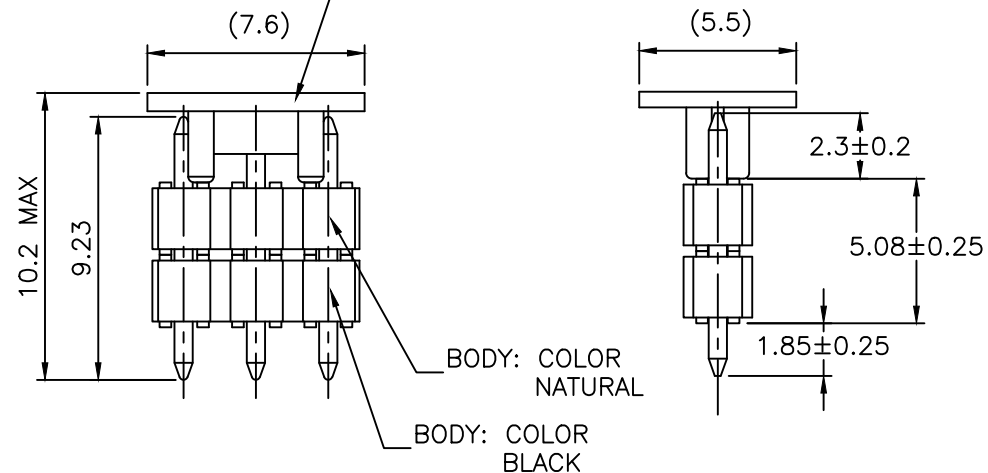
MEANS RoHs, SEE SHEET 1

TOTAL NB OF POS

PRODUCT PACKED IN TAPE
& REEL WITH PICK UP CAP

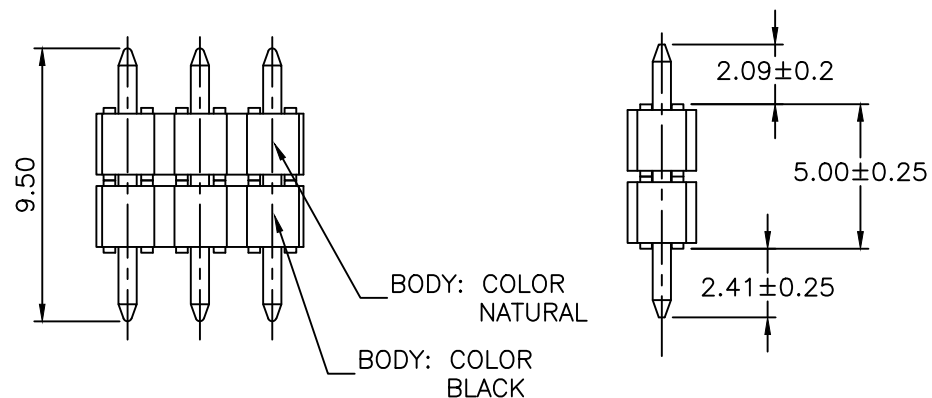
PIN STYLE

PICK-UP CAP



SPECIFIC PRODUCT NUMBER

75970-3BB-XXLF



FOR OTHERS SPECIFICATIONS AND DIMENSIONS SEE SHEET 1

SPECIFICS PLATING AREA FOR PART NUMBERS:

P/N 75970-1AN-02LF

P/N 75970-590R30LF

P/N 75970-8AU-02LF

P/N 75970-8AP-04LF

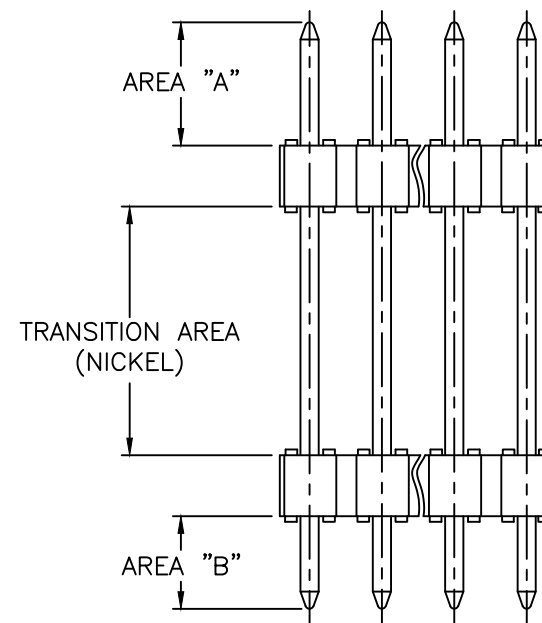
P/N 75970-S8BF-03LF

P/N 75970-S8BK-10LF

P/N 75970-S1BR-13LF

P/N 75970-S1BR-15LF

AREA "A" & "B" : GOLD/GXT PLATING AREA



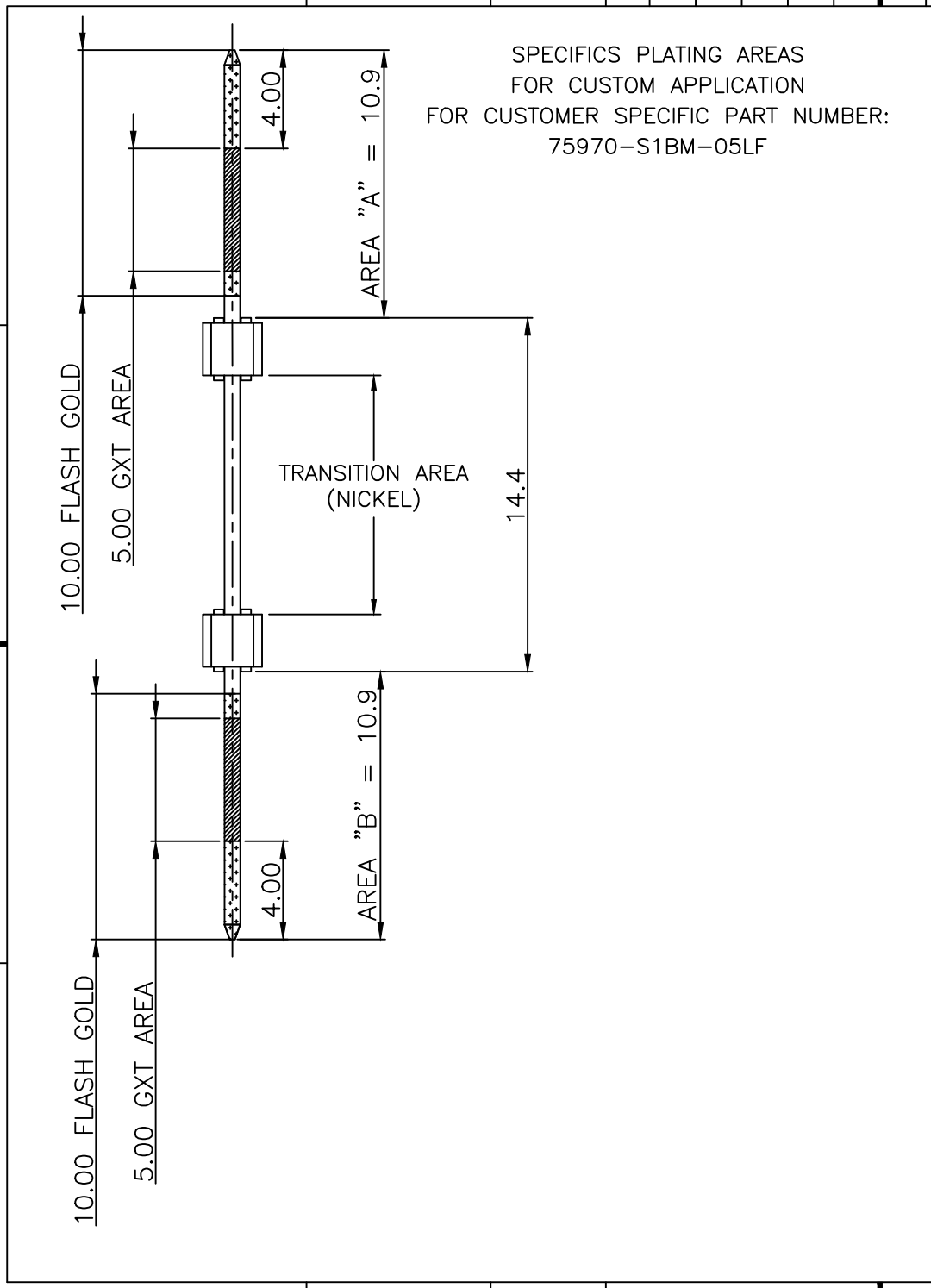
mat'l. code				surface ISO 1302 ☒		tolerance ISO 406 ISO 1101			product family BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified					title			
A	B-16687	LMU	14.01.08	angles	linear				HEADER STR,SR			
B	B-19264	LMU	14.11.03						DOUBLE BODY			
C	F-43373	DDE	21.12.22						scale			
D	F-46845	DDE	22.12.21	dr	L.MULIN	13.02.15			dwg no		sheet 3 of	size
E	F-54498	DDE	25.02.05	engr	J.COMPAGNON	13.02.15			75970		A3	
F	F-57280	DDE	25.09.12	chr	J.COMPAGNON	13.02.15			type		CUSTOMER	Drawing
G	F-279782	DDE	26.02.27	appd	J.COMPAGNON	13.02.15						
sheet index		revision sheet										

A

B

C

D



mat'l. code				surface		tolerance		projection	product family			
				ISO 1302	✓	ISO 406	ISO 1101		BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified				mm	title			
A	F-57208	DDE	25.09.12	angles	linear				HEADER STR,SR DOUBLE BODY			
								scale				
				dr	D.DETOUILLO	25.08.04		Amphenol FCI	dwg no		sheet 4 of	size
				enr	L.MULIN	25.08.04			75970			A3
				chr	L.MULIN	25.08.04						
				appd	A.LAMY	25.08.04			type		CUSTOMER	Drawing
sheet index	revision sheet											