

PRODUCT NUMBER
75970-YXX-XXLF

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

PLATING
(AS AVAILABLE)

PIN STYLE
(AS AVAILABLE)

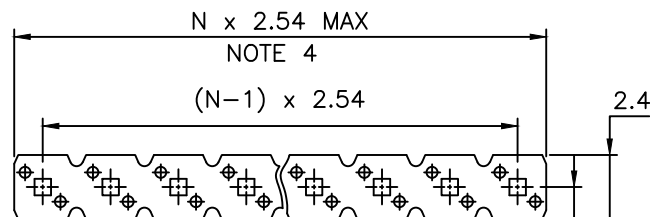
- 1 = 0.76µm FULL GOLD/GXT
3 = 2µm MIN MATTE TIN FULL PLATED
7 = FULL GOLD FLASH
5/8 = 0.38µm FULL GOLD/GXT
S1 = 0.76µm GOLD/GXT, AREA "A" & "B" ONLY
1.27µm Ni MIN ON REMAINDER AREA
S8 = 0.38µm GOLD/GXT, AREA "A" & "B" ONLY
1.27µm MIN NICKEL UNDERPLATING

NOTES:

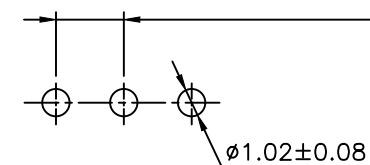
1. HOUSING MATERIAL : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK.
2. PIN MATERIAL : PHOSPHOR BRONZE.
3. 12N MIN RETENTION IN EITHER DIRECTION.
4. TO DETERMINE DIMENSIONS :
N = NUMBER OF POSITIONS PER ROW
EXAMPLE : 8 POS PER ROW, $N \times 2.54 = 20.32\text{mm}$
5. FOR STANDARD SELECTIVE GOLD 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

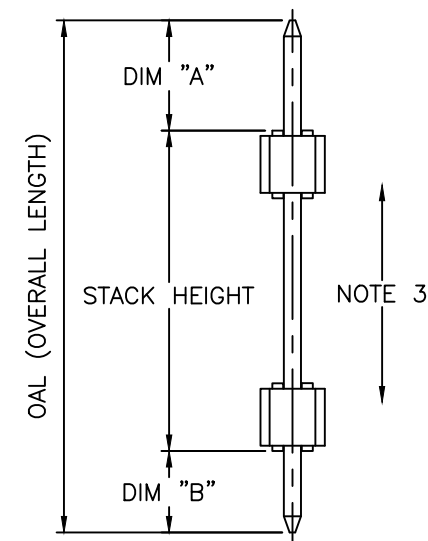
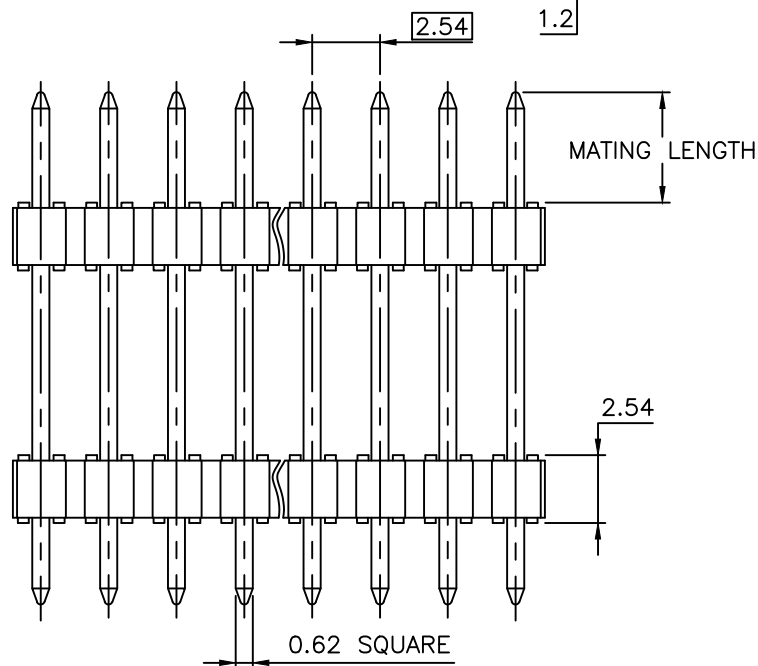
- TOOLING FEASIBILITY CONFIRMED
- SAMPLES ON DEMAND
- AVAILABILITY ON DEMAND



2.54±0.08
NON-ACCUM TYP



RECOMMENDED HOLE PATTERN



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		mm	title HEADER STR,SR DOUBLE BODY
DP	F-54498	DDE	25.02.05	angles	linear		
DR	F-57280	DDE	25.09.12				
DK	F-24965	DDE	16.09.19	dr	J.COMPAGNON	94.07.01	dwg no 75970 sheet 1 of 4 size A3
DL	F-43373	DDE	21.12.22	enr	J.COMPAGNON	95.09.25	
DM	F-46845	DDE	22.12.21	chr			
DN	F-50789	LMU	24.02.21	appd	J.COMPAGNON	95.09.25	type CUSTOMER Drawing
sheet	revision	DR	CM	F	A		
index	sheet	1	2	3	4		

	APPLICATION SPECIFIC						APPLICATION SPECIFIC						
	PIN STYLE	DIM "A" ±0.2	STACK HEIGHT ±0.25	DIM "B" ±0.25	("OAL") REF		PIN STYLE	DIM "A" ±0.2	STACK HEIGHT ±0.25	DIM "B" ±0.25	("OAL") REF		
	01	9.99	13	3.05	26.04		AM	5.6	29.3	3.05	37.95		
	04	6.33	6.5	3.05	15.88		AN	12.0	26.45	6.0	44.45	SEE SHEET 3	
	05	11.69	11.3	3.05	26.04		AP	3.42	37.60	3.43	44.45	SEE SHEET 3	
	06	8.71	19.76	2.65	31.12		AR	4.00	28.00	3.70	35.70		
	08	5.51	8	3.05	16.56		AS	8.08	5.08	2.74	15.90		
	09	6.61	11.3	3.05	20.96		AT	4.25	31.50	4.25	40.00		
	10	3.14	19.76	3.14	26.04		AU	7.94	5.08	7.94	20.96	SEE SHEET 3	
	11	3.55	16.4	3.55	23.5		AV	17.50	26.50	6.00	50.00		
	12	5.72	5.08	2.54	13.34		AW	4.95	6.00	4.95	15.90		
	13	6.00	7.00	3.56	16.56		AX	2.66	15.00	5.84	23.50		
	15	7.46	9.5	4	20.96		AY	8.60	6.00	8.60	23.20		
	16	5.59	13	3.05	21.64		BA	SEE SHEET 3					
	20	5.6	6.5	2.88	14.98		BB	SEE SHEET 3					
	21	7.5	10.45	3.01	20.96		BC	16.65	14.70	6.00	37.30		
	22	7.5	15.45	3.09	26.04		BD	7.01	5.25	9.39	21.65		
	25	17.3	15.7	3.2	36.2		BE	3.00	13.00	3.00	19.00		
	26	9.1	15.7	3.2	28		BF	6.00	30.50	6.00	42.50	SEE SHEET 3	
	29	8.23	16	3.2	27.43		BG	9.50	16.00	7.00	32.50		
	30	2.8	13.7	2.8	19.3		BH	7.50	23.00	5.70	36.20		
	31	3.11	5.08	3.11	11.3		BJ	7.70	23.00	6.30	37.00		
	36	5.9	10.39	3.01	19.3		BK	8.00	18.30	8.00	34.30	SEE SHEET 3	
	41	9.45	5.5	2.7	17.65		BL	5.70	53.60	5.70	65.00		
	56	10	19	3	32		BM	10.90	14.40	10.90	36.20	SEE SHEET 4 CUSTOM APPLICATION	
	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	SEE SHEET 3							
	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								

mat'l. code				surface		tolerance		projection	product family		
ltr	ecn no	dr	date	ISO 1302	ISO 406	ISO 1101			BERGSTIK		
CJ	F-46845	DDE	22.12.21	tolerances unless otherwise specified			linear	mm	title		
CK	F-50789	LMU	24.02.21	angles							
CL	F-54498	DDE	25.02.05					scale	HEADER STR,SR DOUBLE BODY		
CM	F-57280	DDE	25.09.12	dr	J.COMPAGNON	94.07.01					
				enrg	JM.PHAMVAN	95.03.21			dwg no		
CG	F-22317	AMA	15.10.27	chr	J.COMPAGNON	95.03.21					
CH	F-43373	DDE	21.12.22	appd	JM.PHAMVAN	95.03.21			75970		
sheet	revision										
index	sheet								CUSTOMER		

Amphenol FCI

sheet 2 of 2

A3

CUSTOMER Drawing

SPECIFIC PRODUCT NUMBER

75970-3BAA03LF

PLATING

3 = 2µm MATTE TIN
OVER 1.27µm Ni MIN

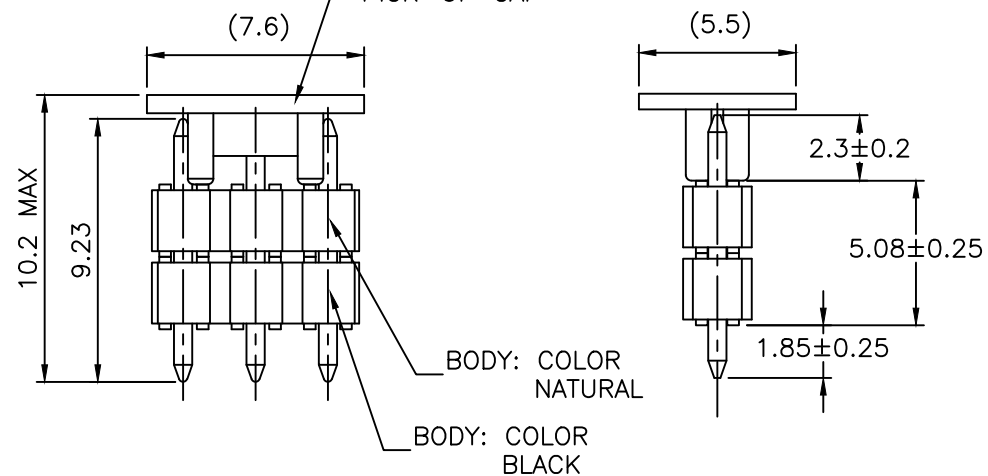
MEANS RoHs, SEE SHEET 1

TOTAL NB OF POS

PRODUCT PACKED IN TAPE
& REEL WITH PICK UP CAP

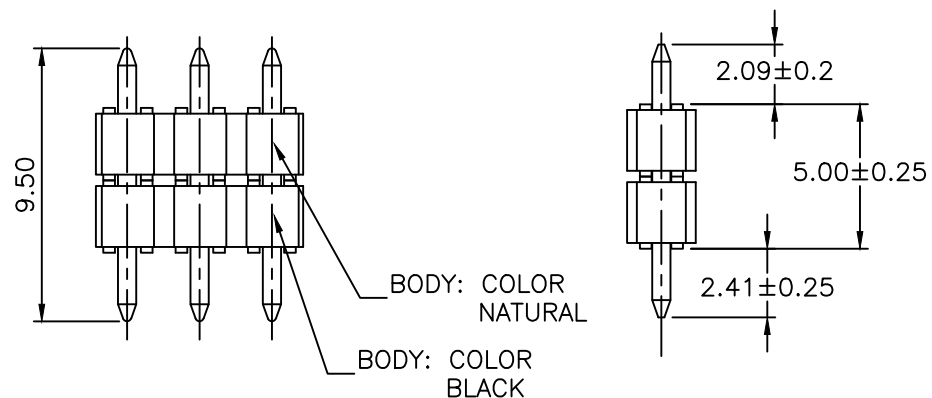
PIN STYLE

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

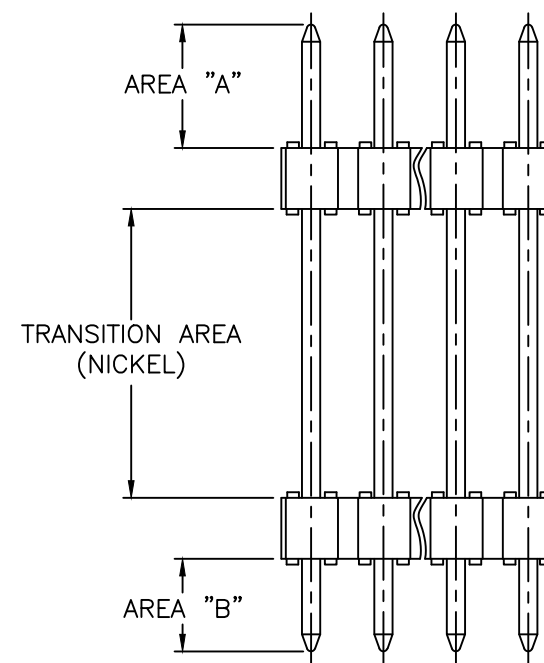
P/N 75970-8AU-02LF

P/N 75970-8AP-04LF

P/N 75970-S8BF-03LF

P/N 75970-S8BK-10LF

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



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 scale		title HEADER STR,SR DOUBLE BODY	
A	B-16687	LMU	14.01.08	angles	linear								
B	B-19264	LMU	14.11.03										
C	F-43373	DDE	21.12.22										
D	F-46845	DDE	22.12.21	dr	L.MULIN		13.02.15		Amphenol FCI	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									
				appd	J.COMPAGNON		13.02.15			type		CUSTOMER	
sheet index		revision sheet											

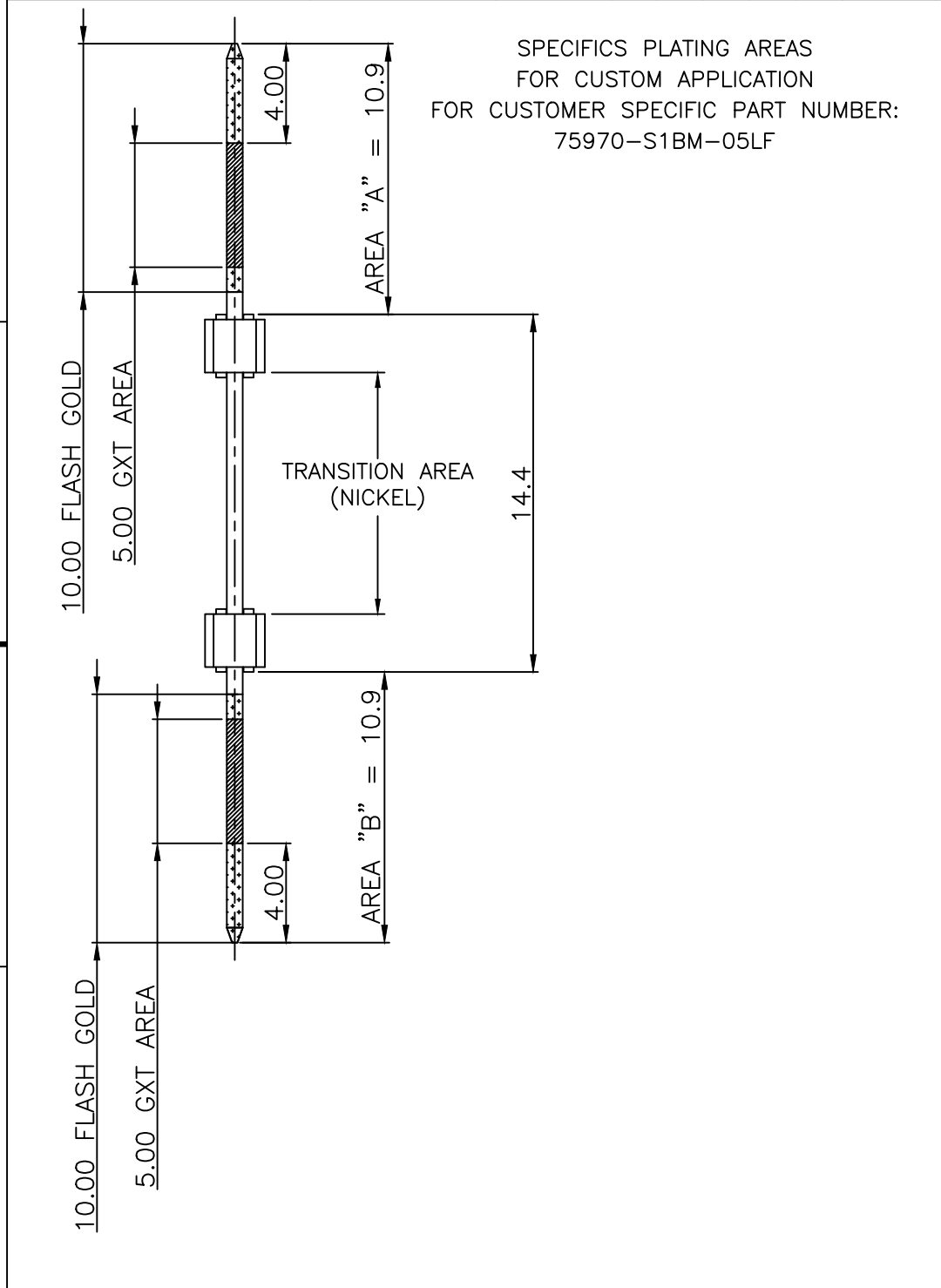
title
HEADER STR,SR
DOUBLE BODY

dwg no
75970

sheet 3 of
A3

type
CUSTOMER

Drawing



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