

EXTENDED RANGE

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

PRODUCT NUMBER
87690-YXXRLF

RoHS COMPATIBLE, SEE NOTE 6
OPTION, SEE NOTE 4
(MAY BE SUBJECT TO TOOLING FEES)
PIN STYLE, SEE SHEET 2
(AS AVAILABLE)

A PLATING:
(AS AVAILABLE)

1 = 0.76 μ m FULL GOLD/GXT, OVER 1.27 μ m Ni MIN
3 = 2 μ m MATTE TIN, OVER 1.27 μ m Ni MIN
7 = FULL GOLD FLASH, OVER 1.27 μ m Ni MIN
8 = 0.38 μ m FULL GOLD/GXT, OVER 1.27 μ m Ni MIN
G = 0.76 μ m GOLD/GXT IN ZONE "A", 2 μ m MATTE TIN IN ZONE "B"
ALL OVER 1.27 μ m Ni MIN

NOTES:

1 - HOUSING MATERIAL: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK.
2 - PIN MATERIAL: PHOSPHOR BRONZE.
3 - 12N MIN RETENTION IN EITHER DIRECTION.
4 - R = FOR RETENTION FEATURE DETAILS, SEE SHEET 3. OMIT IF FEATURE NOT APPLICABLE
V = BLIBOX PACKAGING FOR CUSTOMER DEDICATED PARTS
5 - STANDARD PACKAGING IN POLYBAGS.
6 - RoHS COMPATIBLE PRODUCT SPECIFICATIONS

a - PLATING:
- "LF" MEANS THE PRODUCT IS LEAD-FREE, 2 μ m MINIMUM MATTE TIN OVER 1.27 μ m MINIMUM NICKEL UNDERPLATE.

b - MANUFACTURING PROCESS COMPATIBILITY
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C \pm 5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD.

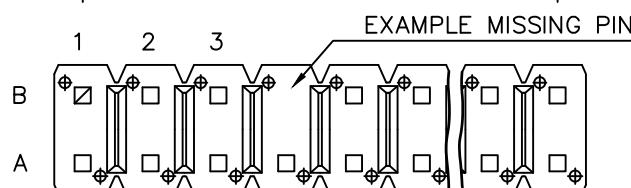
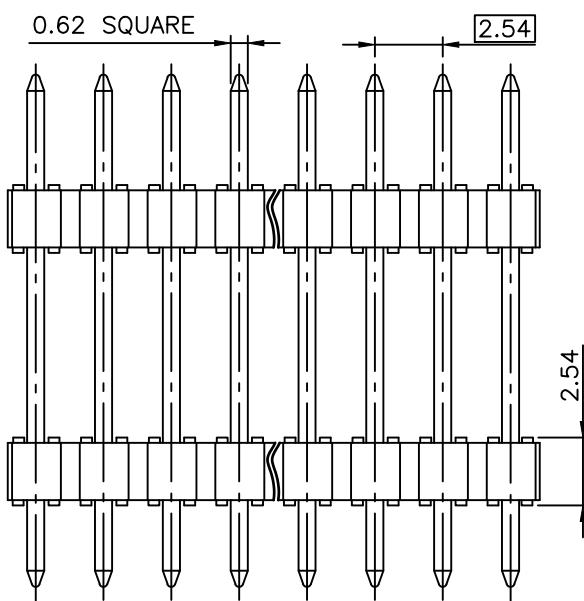
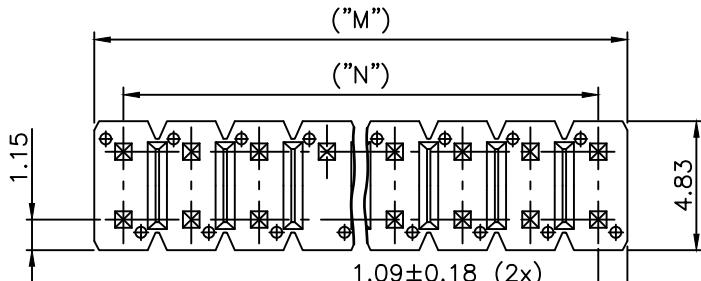
c - LABELING:
- MEETS PACKAGING SPECS AS PER GS-14-920

d - LEGAL STATEMENT: SEE GS-47-0004

7 - FOR 87690-125LF: 0.76 μ m GXT IN ZONE "A", 2 μ m MIN MATTE TIN IN ZONE "B"

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.



BOTTOM VIEW

mat'l. code SEE NOTES				surface ISO 1302		tolerance ISO 406 ISO 1101		projection	product family
ltr	ecn no	dr	date			tolerances unless otherwise specified			
AD	F-55239	DDE	25.04.02			angles	.x ±0.3		
						linear	.xx ±0.15	mm	
X	B-21151	AMA	15.06.15				.xxx ±0.05	scale 5:1	
Y	F-22417	JUU	15.11.05	dr	O.MATHEVON	96.06.07			
AA	F23090	JCO	16.01.20	engr	J.COMPAGNON	96.06.07			
AB	F-31897	LMU	18.11.19	chr	J.COMPAGNON	96.06.07			
AC	F-35412	LMU	19.11.18	appd	J.COMPAGNON	96.06.07			
sheet	revision	AD	AA	H					
index	sheet	1	2	3					

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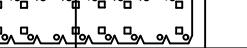
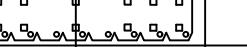
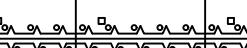
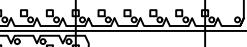
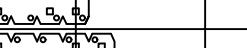
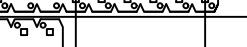
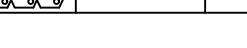
A3

sheet 1 of 3

size

type CUSTOMER

Drawing

PRODUCT NUMBER	PRODUCT DIMENSIONS							1	2	3	VIEW OF MISSING PINS POSITION FROM BOTTOM VIEW						
	NBR POS	"A" ±0.2	"E" ±0.25	"B" ±0.25	("L") REF	("M") REF	("N") REF				1	5	10	15	20	25	30
87690-X07	2x10	11.96	18.5	3.2	33.66	25.4	22.86										
87690-X10	2x10	11.96	18.5	3.2	33.66	25.4	22.86										
87690-X15	2x07	11.96	18.5	3.2	33.66	17.78	15.24										
87690-X18	2x09	4.95	6.00	4.95	15.90	22.86	20.82										
87690-X19	2x09	8.60	6.00	8.60	23.20	22.86	20.82										
87690-X20	2x10	6.00	14.70	3.30	24.00	25.4	22.86										
87690-X21	2x19	6.00	14.70	3.30	24.00	48.26	45.72										
87690-X22	2x13	10.50	7.75	10.50	28.80	33.02	30.48										
87690-X23	2x14	8.60	6.00	8.60	23.20	35.56	33.02										
87690-X24	2x14	8.95	6.00	8.95	23.9	35.56	33.02										
87690-X25	2x11	3.02	5.08	2.80	12.90	27.94	25.40										
87690-X26	2x05	6.50	52.00	6.50	65.00	12.70	10.16										
87690-X27	2x06	7.15	46.55	7.15	60.85	15.24	12.70										
87690-X28	2x15	7.91	10.00	3.05	20.96	38.10	35.56										
87690-X29	2x10	5.00	20.00	2.50	27.5	25.4	22.86										
87690-X30	2x04	3.09	18.00	2.41	23.50	10.16	7.62										

mat'l. code				surface			tolerance		projection	product family	
ltr	ecn no	dr	date	ISO 1302	✓	ISO 406	ISO 1101	tolerances unless otherwise specified		BERGSTIK	
V	F-22417	JUU	15.11.05						mm		
W	F-23090	JCO	16.01.20						scale	N/A	
X	F-31897	LMU	18.11.19								
Y	F-35412	LMU	19.11.18	dr	O.MATHEVON	96.06.07					
AA	F-55239	DDE	25.04.02	engr	J.COMPAGNON	96.06.07					
				chr	J.COMPAGNON	96.06.07					
U	B-21151	AMA	15.06.15	appd	J.COMPAGNON	96.06.07					
				sheet							
				revision							
				index							

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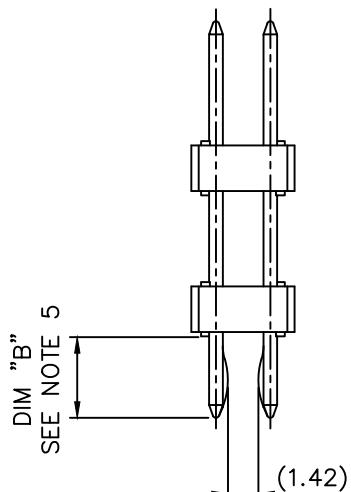
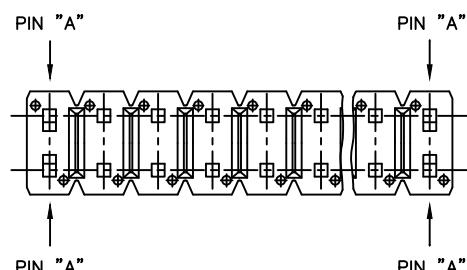
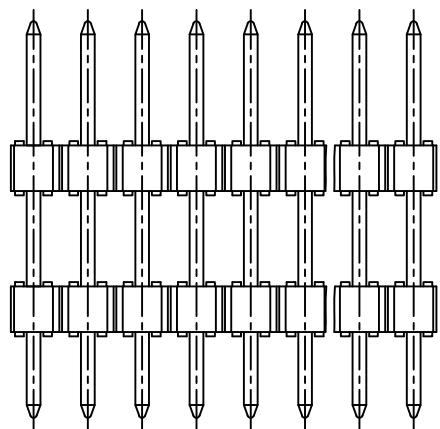
HEADER STR,DR DOUBLE BODY POL

dwg no 87690 A3

sheet 2 of - size

type CUSTOMER Drawing

D



NOTES:

- 1 - PART NUMBER 87690-YXXRLF
- 2 - PINS "A" USED FOR RETENTION.
- 3 - DIRECTION OF RETENTION SHOWN BY ARROWS.
- 4 - KINKED LEGS LOCATION CAN BE MOVED IF A PIN IS MISSING.
- 5 - RETENTION VERSION ONLY AVAILABLE WHEN DIM"B" IS BETWEEN 2.9 mm AND 3.5 mm.
- 6 - 2 AND 3 POSN KINKED HEADER ARE NOT AVAILABLE.

"R" INDICATES A RETENTION HEADER.

mat'l. code				surface tolerance			projection	product family
				ISO 1302 ✓ ISO 406 ISO 1101				BERGSTIK
Ltr ecn no dr date				tolerances unless otherwise specified				title
H	F-55239	DDE	25.04.02	angles			mm	HEADER STR,DR
C	F70179	JMC	97.03.28		linear		scale N/A	DOUBLE BODY POL
D	F70815	OMA	97.12.23	dr	O.MATHEVON	96.06.07		
E	F80321	JMC	98.05.04	engr	J.COMPAGNON	96.06.07		
F	F05-0291	JCO	05.11.14	chr	J.COMPAGNON	96.06.07		
G	F06-0196	LMU	06.06.20	appd	J.COMPAGNON	96.06.07		
sheet		revision						
index		sheet						

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A3

dwg no sheet 3 of - size

type CUSTOMER Drawing