

PRODUCT NUMBER
69167-XXXXXXHLF

LEAD FREE OPTION
NOTE 1, 2, 7

POLARIZATION
NOTE 10

NO. OF POS.
SEE TABLE

PIN PLATING

BASE P/N

DIM L

FULL R

.100
2.54
TYP

.015
0.38

POS. 1

POS. 2

POS. 3, ETC.

DETAIL J

.025/.64 □PIN
⌀ .020/0.51 (M) A (S) B (S)
AT TIP
BOTH ENDS

NOTE 5

DETAIL J
SCALE 16/1

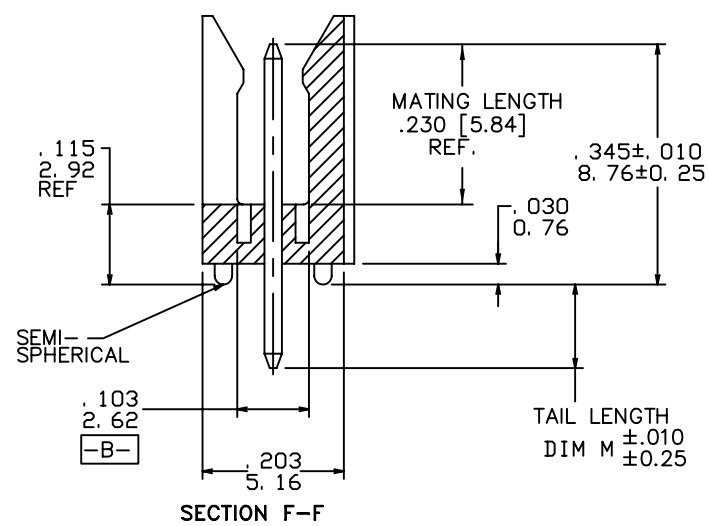
.300
7.62
NOTE 4

.13
3.3

NOTE 6

.386
9.80

DIM K
-A-



mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family HEADER									
ltr				ecn no		dr		date		tolerances unless otherwise specified									
T				ELX-N-011896		JZ		05/31/12		angles		linear		.XX±.01/.XX±.03		INCH/MM		title	
U				ELX-N-20592		J.H		03/30/15		0°±2°		.XXX±.005/.XXX±.013		.XXX±.0020/.XXX±.005		scale 4:1		FRICTION LATCH HEADER SINGLE ROW VERTICAL	
N				M05-0134		MHT		6/17/05		dr		M.CLOUSER		11/27/90		FCI		dwg no	
P				M05-0176		ERE		08/05/05		enr		C.TREXTLER		11/27/90		FCI		sheet 1 of 4	
R				M06-0256		MHT		9/07/06		chr		C.TREXTLER		11/27/90		FCI		69167	
S				M08-0291		MHT		10/06/08		appd		C.TREXTLER		11/27/90		FCI		A3	
sheet				revision		U		U		U		U		U		FCI		type	
index				sheet		1		2		3		4		U		FCI		Product Customer Drawing	



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PRODUCT NUMBER	NO OF POS	DIM K	DIM L	TAIL LENGTH DIM M
69167-X03	1 X 3	.300/7.62	.200/5.08	.120/3.05
69167-X04	1 X 4	.400/10.16	.300/7.62	.120/3.05
69167-X05	1 X 5	.500/12.70	.400/10.16	.120/3.05
69167-X06	1 X 6	.600/15.24	.500/12.70	.120/3.05
69167-X07	1 X 7	.700/17.78	.600/15.24	.120/3.05
69167-X08	1 X 8	.800/20.32	.700/17.78	.120/3.05
69167-X09	1 X 9	.900/22.86	.800/20.32	.120/3.05
69167-X10	1 X 10	1.000/25.40	.900/22.86	.120/3.05
69167-X11	1 X 11	1.100/27.94	1.000/25.40	.120/3.05
69167-X12	1 X 12	1.200/30.48	1.100/27.94	.120/3.05
69167-X13	1 X 13	1.300/33.02	1.200/30.48	.120/3.05
69167-X14	1 X 14	1.400/35.56	1.300/33.02	.120/3.05
69167-X15	1 X 15	1.500/38.10	1.400/35.56	.120/3.05
69167-X16	1 X 16	U N A V A I L A B L E		
69167-X17	1 X 17	U N A V A I L A B L E		
69167-X18	1 X 18	U N A V A I L A B L E		
69167-X19	1 X 19	U N A V A I L A B L E		
69167-X20	1 X 20	U N A V A I L A B L E		
69167-X21	1 X 21	U N A V A I L A B L E		
69167-X22	1 X 22	U N A V A I L A B L E		
69167-X23	1 X 23	U N A V A I L A B L E		
69167-X24	1 X 24	U N A V A I L A B L E		
69167-X25	1 X 25	U N A V A I L A B L E		
69167-X26	1 X 26	U N A V A I L A B L E		
69167-X27	1 X 27	U N A V A I L A B L E		
69167-X28	1 X 28	U N A V A I L A B L E		
69167-X29	1 X 29	U N A V A I L A B L E		
69167-X30	1 X 30	U N A V A I L A B L E		
69167-X31	1 X 31	U N A V A I L A B L E		
69167-X32	1 X 32	U N A V A I L A B L E		
69167-X33	1 X 33	U N A V A I L A B L E		
69167-X34	1 X 34	U N A V A I L A B L E		
69167-X35	1 X 35	U N A V A I L A B L E		
69167-X36	1 X 36	U N A V A I L A B L E		

PIN PLATING CODES

XXXXX-1YY	30u"/0.76u MIN (SEE NOTE 8) OVER 50u"/1.27u MIN Ni
XXXXX-2YY	15u"/0.38u MIN (SEE NOTE 8) OVER 50u"/1.27u MIN Ni
XXXXX-3YY	50u"/1.27u MIN (SEE NOTE 8) OVER 50u"/1.27u MIN Ni
XXXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 9)
XXXXX-4YYHLF	
XXXXX-5YY	15u"/0.38u MIN (SEE NOTE 8) OVER 50u"/1.27u MIN Ni
XXXXX-6YY	30u"/0.76u MIN (SEE NOTE 8) OVER 50u"/1.27u MIN Ni
XXXXX-7YY	30u"/0.76u MIN (SEE NOTE 8) OVER 50u"/1.27u MIN Ni
XXXXX-8YY	15u"/0.38u MIN (SEE NOTE 8) OVER 50u"/1.27u MIN Ni

NOTES:

1. PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

LEAD FREE:

ADD "HLF" AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY, -5YYH, -6YY, -6YYH.

2. BODY MATERIAL:

GLASS REINFORCED PCT COLOR: BLACK

FLAME RETARDANT PER UL 94 V-0

MAXIMUM OPERATING TEMPERATURE: 130° C

OR

MINERAL FILLED LCP, COLOR BLACK

FLAME RETARDANT PER UL 94 V-0

PART NUMBERS WITH "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.

PART NUMBERS WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR WAVE SOLDER PROCESS.

3. PIN MATERIAL: 3/4 HARD PHOS-BRONZE.

4. NO SLOTS ON 1 X 5 POSITION OR SMALLER PRODUCT. THE CENTER KEY SLOT WILL BE ON ALL HEADERS REGARDLESS OF SIZE.

5. TWO NON-CRITICAL SIDES OF PIN TIP NOT PLATED, BOTH ENDS

6. COMPANY LOGO MAY APPEAR IN THIS AREA.

7. THESE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

8. PLATING OPTIONS:

PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON CONTACT OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.

9. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

10. FOR POLARIZATION, SPECIFY POSITION NUMBER (i.e. A03=ROW A POSITION 03) TO OMIT PIN.

OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE.

PRODUCT MANAGEMENT APPROVAL REQUIRED PRIOR TO RELEASE OR SALE OF POLARIZED PRODUCT.

mat'l. code		surface ☒ ISO 1302 ☐ ISO 406 ☐ ISO 1101		tolerance		projection		product family HEADER	
ltr		ecn no		dr		date		title	
U								FRICION LATCH HEADER	
								SINGLE ROW VERTICAL	
								dwg no	
								sheet 2 of 4	
								size	
								A3	
								type	
								Product Customer Drawing	
sheet		revision							
index		sheet							



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PRODUCT NUMBER	NO OF POS	DIM K	DIM L	TAIL LENGTH DIM M	POLARIZATION PIN POSITION	
69167-X43	1 X 3	.300/7.62	.200/5.08	.190/4.83		
69167-X44	1 X 4	.400/10.16	.300/7.62	.190/4.83		
69167-X45	1 X 5	.500/12.70	.400/10.16	.190/4.83		
69167-X46	1 X 6	.600/15.24	.500/12.70	.190/4.83		
69167-X47	1 X 7	.700/17.78	.600/15.24	.190/4.83		
69167-X48	1 X 8	.800/20.32	.700/17.78	.190/4.83		
69167-X49	1 X 9	.900/22.86	.800/20.32	.190/4.83		
69167-X50	1 X 10	1.000/25.40	.900/22.86	.190/4.83		
69167-X51	1 X 11	1.100/27.94	1.000/25.40	.190/4.83		
69167-X52	1 X 12	1.200/30.48	1.100/27.94	.190/4.83		
69167-X53	1 X 13	1.300/33.02	1.200/30.48	.190/4.83		
69167-X54	1 X 14	1.400/35.56	1.300/33.02	.190/4.83		
69167-X55	1 X 15	1.500/38.10	1.400/35.56	.190/4.83		
69167-X56	1 X 16	U N A V A I L A B L E				
69167-X57	1 X 17	U N A V A I L A B L E				
69167-X58	1 X 18	U N A V A I L A B L E				
69167-X59	1 X 19	U N A V A I L A B L E				
69167-X60	1 X 20	U N A V A I L A B L E				
69167-X61	1 X 21	U N A V A I L A B L E				
69167-X62	1 X 22	U N A V A I L A B L E				
69167-X63	1 X 23	U N A V A I L A B L E				
69167-X64	1 X 24	U N A V A I L A B L E				
69167-X65	1 X 25	U N A V A I L A B L E				
69167-X66	1 X 26	U N A V A I L A B L E				
69167-X67	1 X 27	U N A V A I L A B L E				
69167-X68	1 X 28	U N A V A I L A B L E				
69167-X69	1 X 29	U N A V A I L A B L E				
69167-X70	1 X 30	U N A V A I L A B L E				
69167-X71	1 X 31	U N A V A I L A B L E				
69167-X72	1 X 32	U N A V A I L A B L E				
69167-X73	1 X 33	U N A V A I L A B L E				
69167-X74	1 X 34	U N A V A I L A B L E				
69167-X75	1 X 35	U N A V A I L A B L E				
69167-X76	1 X 36	U N A V A I L A B L E				
69167-X77	1 X 10	1.000/25.40	.900/22.86	.120/3.05		2/3/5/6/8/9
69167-X78	1 X 4	1.000/25.40	.900/22.86	.120/3.05		2/3

mat'l. code				surface ISO 1302 ☒		tolerance ISO 406 ISO 1101		projection 		product family HEADER			
ltr		ecn no		dr		date		tolerances unless otherwise specified		title			
U								angles linear		FRICION LATCH HEADER			
								XX±.01/XX±.03		INCH/MM			
								XXX±.005/XXX±0.13		SINGLE ROW VERTICAL			
								0'±2'		scale 4:1			
								XXXX±.0020/XXXX±0.05					
								dr		M.CLOUSER		11/27/90	
								enr		C.TREXTLER		11/27/90	
								chr		C.TREXTLER		11/27/90	
								appd		C.TREXTLER		11/27/90	
sheet index		revision sheet											

sheet no		revision		date		scale		projection		product family		title	
69167										HEADER		FRICION LATCH HEADER	
type		Product		Customer		Drawing							

form: A3

PDS: Rev :U

STATUS:Released

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