

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

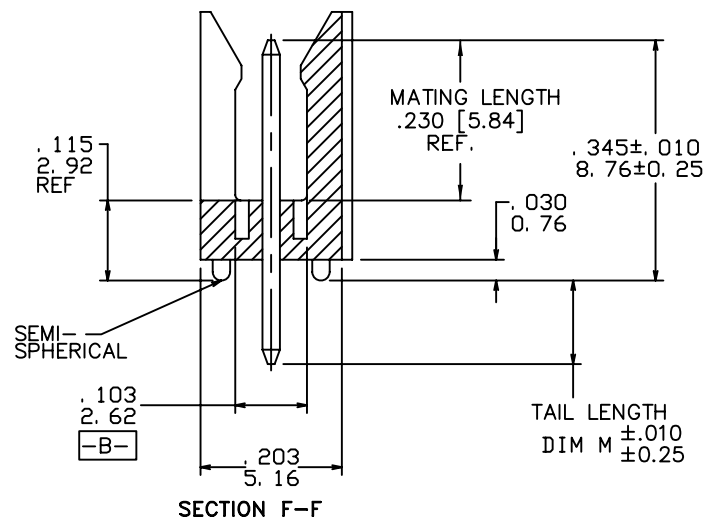
.300
7.62
NOTE 4

.13
3.3

NOTE 6

.386
9.80

DIM K
-A-



mat'l. code				surface		tolerance	projection	product family	
				ISO 1302 ✓		ISO 406 ISO 1101		HEADER	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	
T	ELX-N-011896	JZ	05/31/12	angles	linear	.XX±.01/.XX±0.3		FRICION LATCH HEADER	
U	ELX-N-20592	J.H	03/30/15			.XXX±.005/.XX±0.13	SINGLE ROW VERTICAL		
						.XXXX±.0020/.XXX±0.05			
				0°±2°			scale 4:1		
N	M05-0134	MHT	6/17/05	dr	M.CLOUSER	11/27/90		dwg no	sheet 1 of 4 size
P	M05-0176	ERE	08/05/05	enr	C.TREXTLER	11/27/90		69167	A3
R	M06-0256	MHT	9/07/06	chr	C.TREXTLER	11/27/90			
S	M08-0291	MHT	10/06/08	appd	C.TREXTLER	11/27/90			
sheet	revision	U	U	U	U		type Product Customer Drawing		
index	sheet	1	2	3	4				



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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	
ltr		ecn no		dr		date		title	
U								FRICION LATCH HEADER	
				angles		linear		INCH/MM	
				0°±2°		XXX±.01/XX±.03		scale 4:1	
				dr		M.CLOUSER 11/27/90		dwg no	
				enrg		C.TREXTLER 11/27/90		sheet 2 of 4	
				chr		C.TREXTLER 11/27/90		size	
				appd		C.TREXTLER 11/27/90		A3	
sheet		revision						type	
index		sheet						Product Customer Drawing	



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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		dwg no		sheet 3 of 4		size	
U								angles		linear		INCH/MM		FRICION LATCH HEADER			
								0°±2'		XXX±.01/XX±0.3		scale 4:1		SINGLE ROW VERTICAL			
								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															