

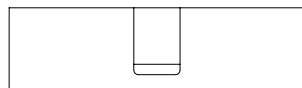
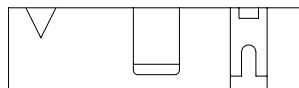
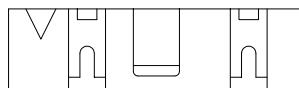
mat'l. code				surface ISO 1302 ✓			tolerance ISO 406 ISO 1101			projection 		product family SLIM LINE					
ltr	ecn no	dr	date		tolerances unless otherwise specified							title					
E	V61462	MDF	10/14/96		angles linear	.XX±.01 / X±0.3						INCH/MM 	PRESS FIT HEADER ASS'Y SLIM LINE 4 WALL				
F	V61785	SAR	12/13/96			.XXX±.005 / XXX±0.13											
G	V61745	MDF	1/23/97			.XXXX±.0020 / XXX±0.051											
H	V20526	RGD	3/18/02	dr	M. CLUSER	8/27/87				dwg no		sheet 1 of 5		size			
J	M05-0099	MHT	5/24/05	enrg	B. TROSTLE	8/27/87				68712		A3					
K	M07-0116	AGS	2/24/07	chr	R. DOUTRICH	10/6/88				type		Product		Customer		Drawing	
L	M07-0489	MHT	11/13/07	appd	R. DOUTRICH	10/6/88											
sheet index		revision sheet		L	L	L	L	L	L								
				1	2	3	4	5									



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PRODUCT NUMBER
SEE TABLE

2 X 5
STYLE A2 X 7
STYLE C2 X 5
STYLE B2 X 8 & LARGER
STYLE D

NOTES:

- ① MOLDING MATERIAL: 30% GLASS FILLED POLYESTER
FLAME RETARDENT PER UL94V-O. COLOR-BLUE.
- ② TERMINAL MATERIAL: PHOSPHOR BRONZE.
- ③ REFER TO TA 556 FOR APPLICATION, TOOLING
AND INSTRUCTIONS.
4. UNLESS OTHERWISE SPECIFIED, 1° MAX DRAFT
PERMISSIBLE ON ALL SURFACES.
5. LOGO LOCATION OPTIONAL.
- ⑥ TWO NON-CRITICAL SIDES OF PIN TIP NOT
PLATED TYP BOTH ENDS.
7. 3 LBS / .36 KG PIN RETENTION IN BOTH
DIRECTIONS.
8. RECOMMENDED PLATED-THRU-HOLE DIMENSIONS ARE:
DRILLED HOLE: .0453/1.151±.0010/.025 DIA
COPPER PLATING THICKNESS: .001/.025 TO .003/.076
SOLDER PLATING THICKNESS: .0003/.076 TO .0007/.0178
OVERALL HOLE SIZE: .040/1.016±.003/.076 DIA
- ⑨ ON HEADERS 2 X 20 AND LARGER THE .260/6.6 DIM
HAS A MINIMUM SIZE OF .240/6.1.
- ⑩ PIN PLATING-DUPLEX- 30u"/.076u Au OVER 50u"/1.27uNi
ON CONTACT AREA OF PIN AND 40u"/1.02u-80u"/2.03u
TIN/LEAD ON PRESS FIT AREA OF PIN.
LEAD FREE: PIN PLATING-DUPLEX- 30u"/.076u Au OVER 50u"/1.27uNi
ON CONTACT AREA OF PIN AND 40u"/1.02u-80u"/2.03u
PURE TIN ON PRESS FIT AREA OF PIN.
- ⑪ PART NUMBER WITH "LF" SUFFIX AT THE END ARE LEAD FREE.
12. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- ⑬ PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.
14. THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING
SOLDER PROCESS.

mat'l. code					surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family SLIM LINE										
ltr		ecn no		dr		date		tolerances unless otherwise specified					title								
L								angles		linear		XXX±.01/XXX.3		PRESS FIT HEADER ASS'Y SLIM LINE 4 WALL							
								0°±2'				XXX±.005/XXX±0.13									
												XXXX±.0020/XXX±0.051									
								dr		M. CLUSER		8/27/87				dwg no		sheet 2 of 5		size	
								enrg		B. TROSTLE		8/27/87				68712		A3			
								chr		R. DOUTRICH		10/6/88									
								appd		R. DOUTRICH		10/6/88									
sheet index		revision sheet														type		Product		Customer Drawing	

form: A3



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PRODUCT NUMBER	NO OF POS	DIM R	DIM S	DIM T	DIM E	TERMINAL PLATING NOTE 13	STYLE
68712-001LF	2 X 5	.78/19.81	.72/18.28	.400/10.16	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	A
-002LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-003LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-004LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-005LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
-006LF	2 X 5	.78/19.81	.72/18.28	.400/10.16	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	A
-007LF	2 X 7	.98/24.89	.92/23.37	.600/15.24	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	C
-008LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-009LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-010LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-011LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
-012LF	2 X 7	.98/24.89	.92/23.37	.600/15.24	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	C
-013LF	2 X 8	1.08/27.43	1.02/25.91	.700/17.78	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	D
-014LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-015LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-016LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-017LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
-018LF	2 X 8	1.08/27.43	1.02/25.91	.700/17.78	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	D
-019LF	2 X 10	1.28/35.51	1.22/30.99	.900/22.86	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	D
-020LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-021LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-022LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-023LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
68712-024LF	2 X 10	1.28/35.51	1.22/30.99	.900/22.86	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	D

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family SLIM LINE			
ltr	ecn no	dr	date	tolerances unless otherwise specified					title				
L				angles	linear	.XXX±.01/.X±0.3		INCH/MM	PRESS FIT HEADER ASS'Y SLIM LINE 4 WALL				
				0°±2'		.XXXX±.005/.XX±0.13							
						.XXXX±.0020/.XXX±0.051							
		dr	M. CLUSER	8/27/87					dwg no		sheet3 of 5	size	
		enr	B. TROSTLE	8/27/87					68712		A3		
		chr	R. DOUTRICH	10/6/88									
		app	R. DOUTRICH	10/6/88					type		Product Customer Drawing		
sheet index		revision sheet											

form: A3



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D

PRODUCT NUMBER	NO OF POS	DIM R	DIM S	DIM T	DIM E	TERMINAL PLATING NOTE 13	STYLE
68712-025LF	2 X 12	1.48/37.59	1.42/36.07	1.100/27.94	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	D
-026LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-027LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-028LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-029LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
-030LF	2 X 12	1.48/37.59	1.42/36.07	1.100/27.94	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	D
-031LF	2 X 13	1.58/40.13	1.52/38.61	1.200/30.48	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	D
-032LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-033LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-034LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-035LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
-036LF	2 X 13	1.58/40.13	1.52/38.61	1.200/30.48	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	D
-037LF	2 X 15	1.78/45.21	1.72/43.69	1.400/35.56	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	D
-038LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-039LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-040LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-041LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
-042LF	2 X 15	1.78/45.21	1.72/43.69	1.400/35.56	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	D
-043LF	2 X 17	1.98/50.29	1.92/48.77	1.600/40.64	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	D
-044LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-045LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-046LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-047LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
68712-048LF	2 X 17	1.98/50.29	1.92/48.77	1.600/40.64	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	D

mat'l. code				surface ISO 1302 ☒		tolerance ISO 406 ISO 1101		projection 		product family SLIM LINE			
ltr				ecn no		dr		date		title			
L										PRESS FIT HEADER ASS'Y			
				angles		linear		INCH/MM		SLIM LINE 4 WALL			
				0°±2'				scale 4:1		dwg no			
										sheet 4 of 5 size			
										68712 A3			
										type Product Customer Drawing			
sheet index		revision sheet											

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PRODUCT NUMBER	NO OF POS	DIM R	DIM S	DIM T	DIM E	TERMINAL PLATING NOTE 13	STYLE
68712-049LF	2 X 20	2.28/57.91	2.22/56.39	1.900/48.26	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	D
-050LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-051LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-052LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-053LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
-054LF	2 X 20	2.28/57.91	2.22/56.39	1.900/48.26	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	D
-055LF	2 X 22	2.48/62.99	2.42/61.47	2.100/53.34	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	D
-056LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-057LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-058LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-059LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
-060LF	2 X 22	2.48/62.99	2.42/61.47	2.100/53.34	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	D
-061LF	2 X 25	2.78/70.61	2.72/69.09	2.400/60.96	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	D
-062LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-063LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-064LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-065LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
-066LF	2 X 25	2.78/70.61	2.72/69.09	2.400/60.96	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	D
-067LF	2 X 30	3.28/83.31	3.22/81.79	2.900/73.66	.160/4.06	30u"/.76u Au OVER 50u"/1.27 Ni	D
-068LF					.160/4.06	30u"/.76u GXT OVER 50u"/1.27u Ni	
-069LF					.610/15.49	30u"/.76u Au OVER 50u"/1.27 Ni	
-070LF					.610/15.49	30u"/.76u GXT OVER 50u"/1.27u Ni	
-071LF					.733/18.62	30u"/.76u Au OVER 50u"/1.27 Ni	
-072LF	2 X 30	3.28/83.31	3.22/81.79	2.900/73.66	.733/18.62	30u"/.76u GXT OVER 50u"/1.27u Ni	
-073LF	2 X 17	1.98/50.29	1.92/48.77	1.600/40.64	.160/4.06	50u"/1.27u Au OVER 50u"/1.27u Ni	D
-074LF	2 X 5	.78/19.81	.72/18.29	.400/10.16	.110/2.79	30u"/.76u GXT OVER 50u"/1.27u Ni	A
-075LF	2 X 10	1.28/32.51	1.22/30.99	.900/22.86	.110/2.79	30u"/.76u GXT OVER 50u"/1.27u Ni	D
-076LF	2 X 12	1.48/37.59	1.42/36.07	1.100/27.94	.110/2.79	30u"/.76u GXT OVER 50u"/1.27u Ni	D
68712-201LF	2 X 5	.78/19.81	.72/18.29	.400/10.16	.160/4.06	SEE NOTE 10	A
68712-201	2 X 5	.78/19.81	.72/18.29	.400/10.16	.160/4.06	SEE NOTE 10	A
68712-219LF	2 X 10	1.28/32.51	1.22/30.99	.900/22.86	.160/4.06	SEE NOTE 10	D
68712-219	2 X 10	1.28/32.51	1.22/30.99	.900/22.86	.160/4.06	SEE NOTE 10	D

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 	product family SLIM LINE
ltr	ecn no	dr	date	tolerances unless otherwise specified		 INCH/MM scale 4:1	title
L				angles	linear		PRESS FIT HEADER ASS'Y
				0°±2'			SLIM LINE 4 WALL
				dr	M. CLUSER	8/27/87	dwg no
				enr	B. TROSTLE	8/27/87	sheet 5 of 5 size
				chr	R. DOUTRICH	10/6/88	68712 A3
				app	R. DOUTRICH	10/6/88	type Product Customer Drawing
sheet index	revision sheet						

form: A3