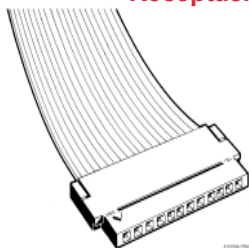


**65801-037LF - Clincher™ : 8
Positions Single row Vertical
Receptacle**



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Mating Half

➤ 66226-008LF

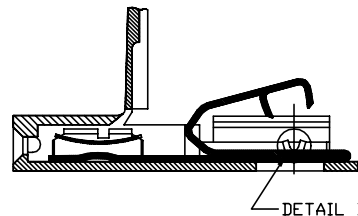
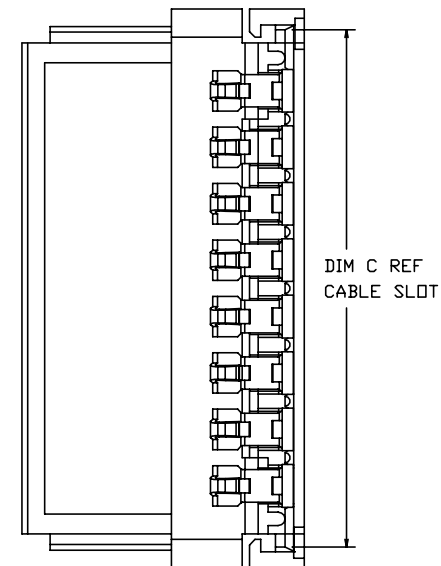
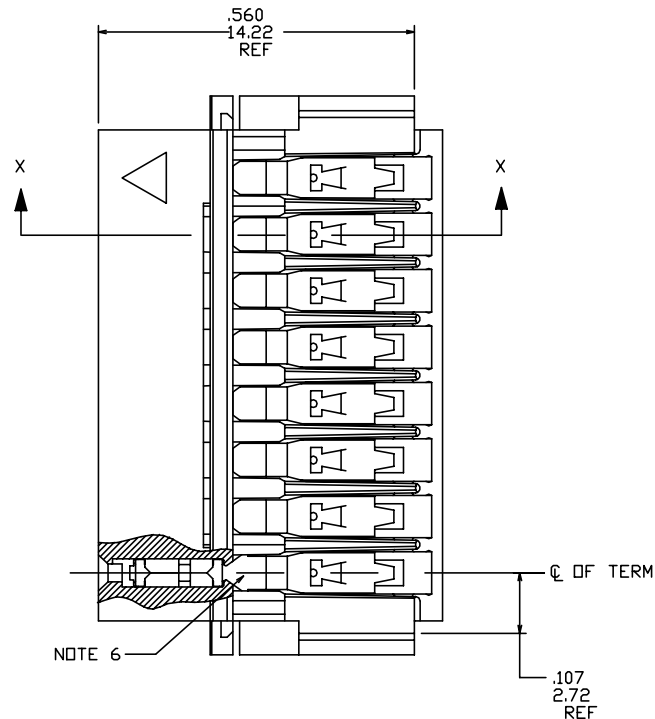
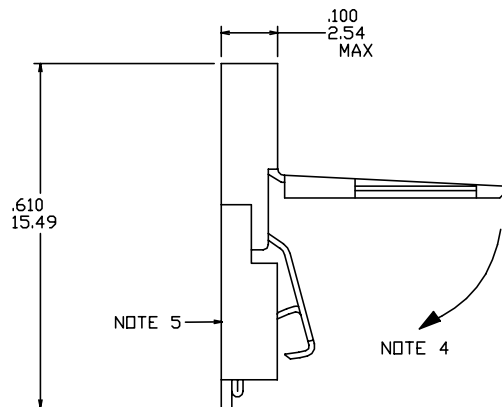
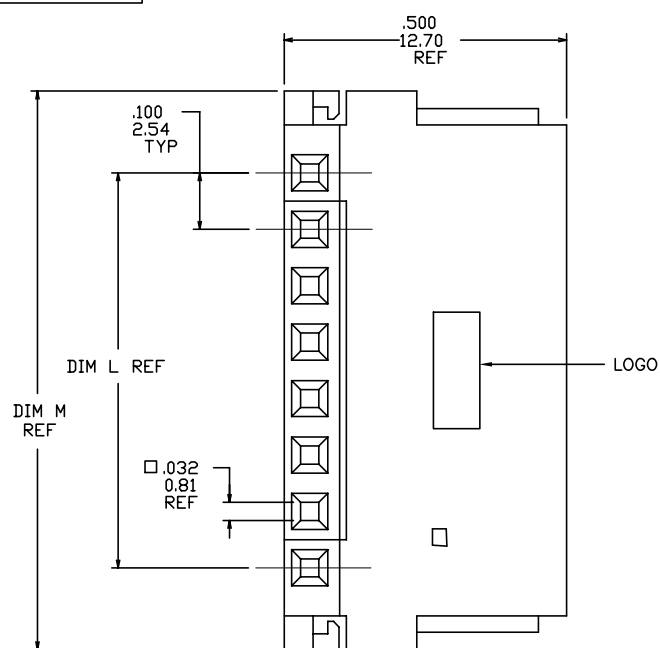
➤ 66226-040LF

Specifications

General	
Applied to	Flat Conductor, Flat Cable
Number of contacts (Total)	8
Orientation	Vertical
Product Type	Cable Receptacle
Application Equipment	PV-219E HT-0270
Cable Specification	IPC Standard, FC-220 B Cables Type A or B, Tolerance Class IV
Dimensional	
Diameter (Cable)	0.33 mm (0.013 in.) max. (Including insulation)
Thickness (Cable conductor)	0.076 mm (0.003 in.)
Width (Cable conductor)	1.57 mm (0.062 in.)
Electrical	
Current rating	2 amps
Resistance (Contact)	15 ohms
Resistance (Insulation)	5000 M ohms
Voltage rating	500 volts
Mechanical	
Durability (Mating cycles)	100
Insertion force	3N (300 gf) max.
Withdrawal Force	0.3N (30 gf) Per contact min.
Normal force	1.5N (150 gf)
Retention force	10 lb Per Inch of Cable Width
Physical	
Color (Housing)	Blue
Material (Contact)	Copper Alloy
Material (Housing)	Polypropylene

Plating (Contact area)	0.76 µm (30 µin.) Gold
Humidity (Relative)	09
Insulation material (Cable)	Polyester or Polyimide
Material (Spring)	Copper Alloy
Temperature (Operating - range)	-65°C to +105°C
Temperature (Operating)	85°C
Approvals / Certifications	
UL File Number	E66906
CSA File Number	LR46923
Approvals / Certifications	UL and CSA Approved
Other Features	
Packaging (Type)	Tray
Literature	950526-001

PRODUCT NUMBER
SEE TABLE



SECTION X-X



INK
TERMINATION



CONVENTIONAL
TERMINATION

DETAIL Z
SCALE 6/1

mat'l. code		surface		tolerance		projection		product family	
ISO 1302 ✓		ISO 406		ISO 1101		ISO 1101		CLINCHER	
l'tecn nodr date		tolerances unless otherwise specified		title		INCH/MM		CLINCHER™ RECEPTACLE ASSEMBLY	
AN	ELX-N-010493	ZK	06/03/12	angles	linea	.XX±.01/0.XX±0.3		scale 3:1	
AH	V60509	HTB	3/5/96	0°±2°		.XXX±.005/0.XX±0.13		dwg no	
AJ	M05-0087	MHT	6/15/05	dr	T.BREWBAKER	5/17/94	sheet 1 of 7		size
AK	M06-0233	AGS	6/12/06	engr	T. HANNA	5/17/94	65801		A3
AL	M07-0088	MHT	2/06/07	chr	J.MURPHY	5/17/94	type Product Customer Drawing		
AM	M09-0062	CMR	4/09/09	appd	T. HANNA	5/17/94			
sheet	revisio	AN	AN	AN	AN	AN	AN		
index	sheet	1	2	3	4	5	6	7	

PLATING AVAILABLE

PLATING CODE	TERMINAL	SPRING
1	100u"/2.54u MIN. THICK PURE TIN	10u"/.25u MIN. THICK PURE TIN
2	30u"/.76u MIN. GOLD OR GXT STRIPE IN BOX AREA NOTE 12	3u"/.08u MIN. GOLD OVER 50u"/1.27u MIN. NICKLE

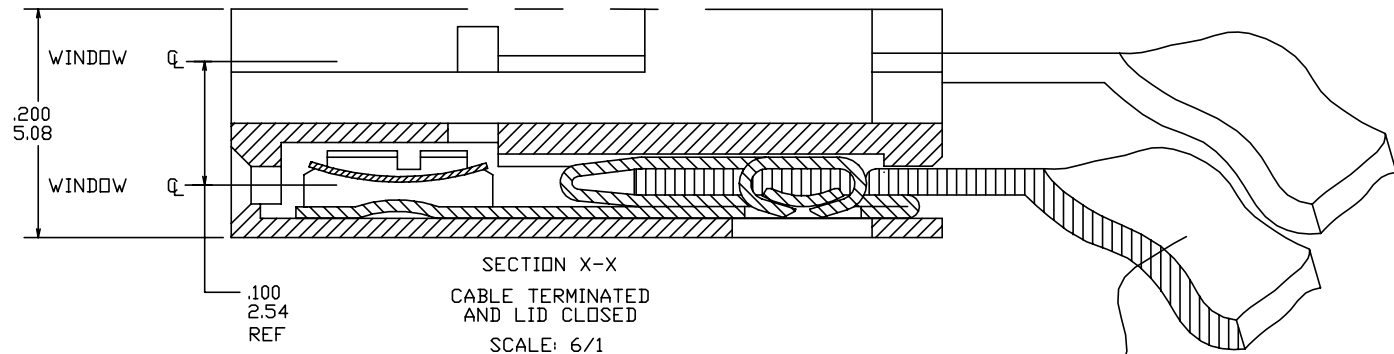
PRODUCT NUMBER

65801-XXXLF

LEAD FREE OPTION
NOTE 9,10

NO OF POSITIONS
AND PLATING

BASE PART NUMBER



NOTES:

- MOLDING MAT'L: THERMOPLASTIC, FLAME RETARDANT PER UL 94V-0. COLOR: BLUE.
- TERMINAL MAT'L: 1/2 HARD CuNi ALLOY, UNS-C72500. PLATING: SEE TABULATION AND PLATING TABLE.
- SPRING MAT'L: 1/2 HARD BeCu ALLOY, UNS-C17200. PLATING: SEE TABULATION AND PLATING TABLE.
- LATCH SWINGS CLOSED AFTER TERMINATION MAINTAINING A MAX OVER ALL HEIGHT OF .100/2.54
- LABEL IN THIS AREA P/N AND DATE LOT CODE (WEEK AND YEAR) ON DASH No.-067 AND -167 ONLY.
- KNURL MARK INDICATES FOR USE WITH INK TERMINATION. CONSULT WITH BERG ELECTRONICS TECHNICAL REPRESENTATIVE FOR SPECIFIC APPLICATIONS.
- POSITION NUMBERS INITIATE FROM TRIANGULAR MARK ON HOUSING. SEE TABULATION FOR POSITION No CLOSED AND TERMINAL No ABSENT. FIG A SHOWS POSITION No 2 CLOSED.
- AN EIGHT DIGIT PART NUMBER FOLLOWED BY A "J" INDICATES INVENTORY FOR JAPAN ONLY.
- ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING SOLDER PROCESS
- PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

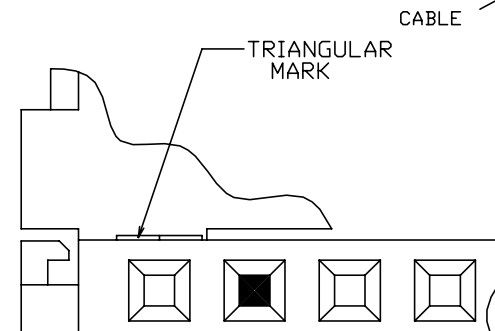


FIG A
NOTE 7

mat'l. code	surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection ISO 1101	product family CLINCHER
ltr ecn nodr date	tolerances unless otherwise specified	linea	INCH/MM	title CLINCHER™ RECEPTACLE ASSEMBLY
AN	angles 0°±2'	XXX±.01/0.XX±0.3 XXX±.005/0.XX±0.13 XXX±.0020/0.XX±0.05	scale 3:1	dwg no 65801
dr	T.BREWBAKER	5/17/94		sheet 2 of 7
enr	T. HANNA	5/17/94		size A3
chr	J. MURPHY	5/17/94		
app	T. HANNA	5/17/94		type Product Customer Drawing
sheet index	revision sheet			

PRODUCT NO. NOTE 9	NO. OF POSITIONS	DIM. L	DIM. L	DIM. M	DIM. M	DIM. C	DIM. C	PLATING	TERMINATION	CLOSED POS.	TERMINAL ABSENT
		ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	CODE	NOTE 6	NOTE 7	NOTE 7
65801-201	16	1.500	38.10	1.790	45.47	1.715	43.56	1	CONVENTIONAL	4	4.5.6
65801-202	5	0.400	10.16	0.690	17.53	0.615	15.62	2	CONVENTIONAL	3	3
65801-203	7	0.600	15.24	0.890	22.61	0.815	20.70	2	CONVENTIONAL	6	1.2.6.7
65801-204	10	0.900	22.86	1.190	30.23	1.115	28.32	1	CONVENTIONAL	4	4
65801-205	6	0.500	12.70	0.790	20.07	0.715	18.16	1	CONVENTIONAL	5	5
65801-206	5	0.400	10.16	0.690	17.53	0.615	15.62	1	CONVENTIONAL	4	4
65801-207	7	0.600	15.24	0.890	22.61	0.815	20.70	2	CONVENTIONAL	N/A	1.2.6.7
65801-208	4	0.300	7.62	0.590	14.99	0.515	13.08	1	CONVENTIONAL	N/A	2.3
65801-209	3	0.200	5.08	0.490	12.45	0.415	10.54	1	CONVENTIONAL	N/A	2

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family CLINCHER	
ltr ecn nodr date		tolerances unless otherwise specified		title CLINCHER™ RECEPTACLE ASSEMBLY		dwg no 65801		sheet 7 of 7 size A3	
AN		angles 0°±2°		linea .XX±.01/0.X.3 .XXX±.005/0.XXX.13 .XXXX±.0020/0.XXX±0.051		INCH/MM scale 3:1		type Product Customer Drawing	
dr		T.BREWBAKER		5/17/94		FCI			
engr		T. HANNA		5/17/94					
chr		J.MURPHY		5/17/94					
appd		T. HANNA		5/17/94					
sheet index		revision sheet							