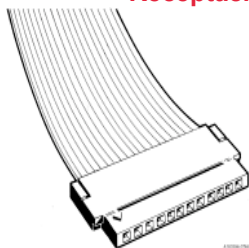


**65801-037LF - Clincher™ : 8
Positions Single row Vertical
Receptacle**



www.fci.com

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

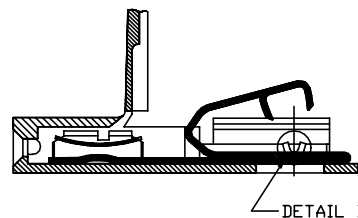
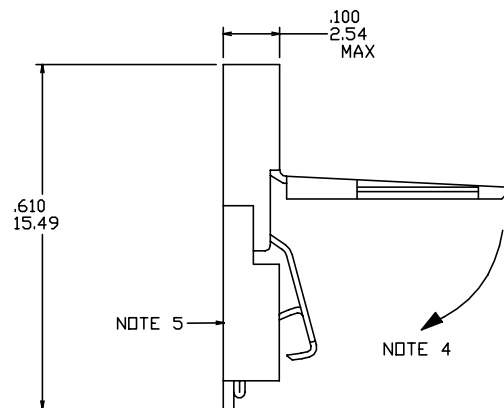
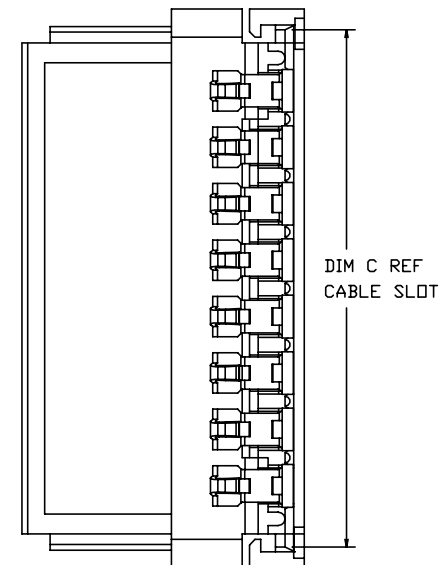
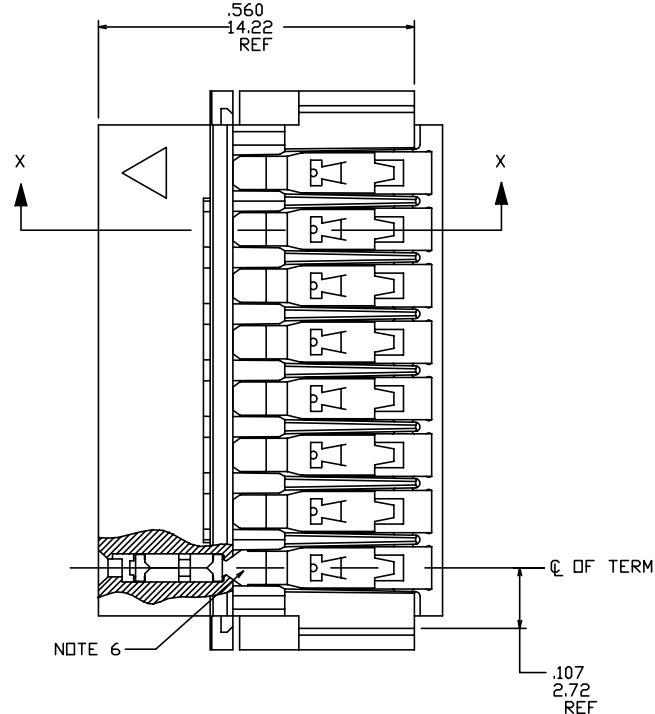
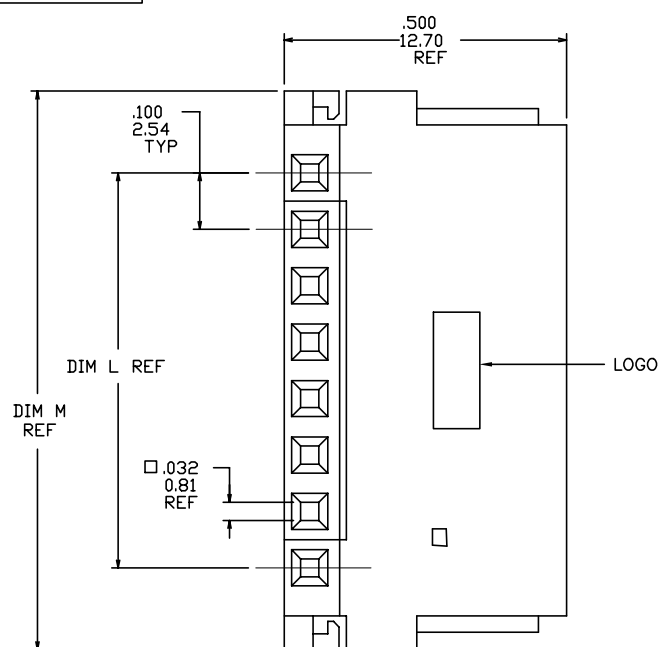
Durability (Mating cycles)	100
Insertion force	3N (300 gf) max.
Withdrawal Force	0.3N (30 gf) Per contact min.
Normal force	1.5N (150 gf)
Retention force	10 lb Per Inch of Cable Width

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



DETAIL Z
SCALE 6/1

mat'l. code				surface		tolerance		projection		product family											
				ISO 1302 ✓		ISO 406 ISO 1101				CLINCHER											
ltr ecn nodr		date		tolerances unless otherwise specified:						title											
AN		BX-N-010493		ZK		06/03/12		angles		lineal		XX±.01/0.X±0.3		INCH/MM		CLINCHER™ RECEPTACLE ASSEMBLY					
AH		V60509		HTB		3/5/96		0°±2°		lineal		XXX±.005/0.XX±0.13		scale 3:1							
AJ		M05-0087		MHT		6/15/05		dr		T.BREWBAKER		5/17/94		FCJ		dwg no		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									
AM		M09-0062		CMR		4/09/09		appd		T. HANNA		5/17/94				type		Product Customer Drawing			
sheet		revisio		AN		AN		AN		AN		AN		AN							
index		sheet		1		2		3		4		5		6		7					

PLATING AVAILABLE

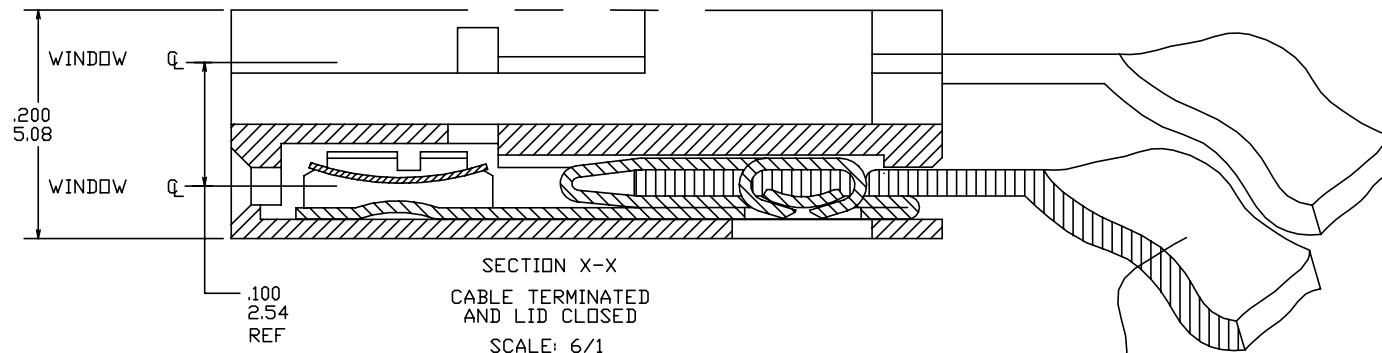
PLATING CODE	TERMINAL	SPRING
1	100u"/2.54u MIN. THICK PURE TIN	10u"/.25u MIN. THICK PURE TIN
2	30u"/.76u MIN. GOLD OR GXT STRIPE IN BOX AREA NOTE 12	3u"/.08u MIN. GOLD OVER 50u"/1.27u MIN. NICKLE

PRODUCT NUMBER

65801-XXXLF

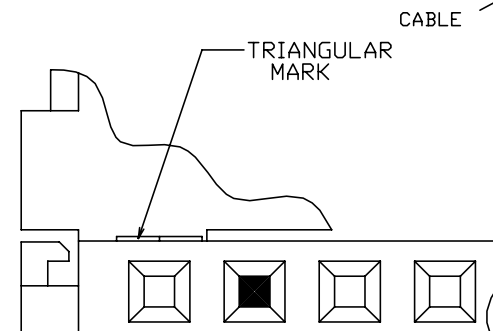
LEAD FREE OPTION
NOTE 9,10NO OF POSITIONS
AND PLATING

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 INCH/MM	product family CLINCHER
ltr ecn nodr date	tolerances unless otherwise specified	angles linea	scale 3:1	title CLINCHER™ RECEPTACLE ASSEMBLY
AN	0°±2'	XXX±.01/0.XX±0.3 XXX±.005/0.XX±0.13 XXX±.0020/0.XX±0.051	INCH/MM	dwg no 65801
	dr T.BREWBAKER 5/17/94	engr T. HANNA 5/17/94	chr J.MURPHY 5/17/94	sheet 2 of 7 size A3
	appd T. HANNA 5/17/94			type Product Customer Drawing
sheet index	revision sheet			

1				2		3						4		5		6	
PRODUCT NO. NOTE 9	NO. OF	DIM. L	DIM. L	DIM. M	DIM. M	DIM. C	DIM. C	PLATING	TERMINATION								
	POSITIONS	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	CODE	NOTE 6	NOTES							
65801-001			U N A	S S I G	N E D												
65801-002	2	0.100	2.54	0.390	9.91	0.315	8.00	1	CONVENTIONAL	—							
65801-003	3	0.200	5.08	0.490	12.45	0.415	10.54	1	CONVENTIONAL	—							
65801-004	4	0.300	7.62	0.590	14.99	0.515	13.08	1	CONVENTIONAL	—							
65801-005	5	0.400	10.16	0.690	17.53	0.615	15.62	1	CONVENTIONAL	—							
65801-006	6	0.500	12.70	0.790	20.07	0.715	18.16	1	CONVENTIONAL	—							
65801-007	7	0.600	15.24	0.890	22.61	0.815	20.70	1	CONVENTIONAL	—							
65801-008	8	0.700	17.78	0.990	25.15	0.915	23.24	1	CONVENTIONAL	—							
65801-009	9	0.800	20.32	1.090	27.69	1.015	25.78	1	CONVENTIONAL	—							
65801-010	10	0.900	22.86	1.190	30.23	1.115	28.32	1	CONVENTIONAL	—							
65801-011	11	1.000	25.40	1.290	32.77	1.215	30.86	1	CONVENTIONAL	—							
65801-012	12	1.100	27.94	1.390	35.31	1.315	33.40	1	CONVENTIONAL	—							
65801-013	13	1.200	30.48	1.490	37.85	1.415	35.94	1	CONVENTIONAL	—							
65801-014	14	1.300	33.02	1.590	40.39	1.515	38.48	1	CONVENTIONAL	—							
65801-015	15	1.400	35.56	1.690	42.93	1.615	41.02	1	CONVENTIONAL	—							
65801-016	16	1.500	38.10	1.790	45.47	1.715	43.56	1	CONVENTIONAL	—							
65801-017	17	1.600	40.64	1.890	48.01	1.815	46.10	1	CONVENTIONAL	NOTE 8							
65801-018	18	1.700	43.18	1.990	50.55	1.915	48.64	1	CONVENTIONAL	—							
65801-019	19	1.800	45.72	2.090	53.09	2.015	51.18	1	CONVENTIONAL	—							
65801-020	20	1.900	48.26	2.190	55.63	2.115	53.72	1	CONVENTIONAL	—							
65801-021	21	2.000	50.80	2.290	58.17	2.215	56.26	1	CONVENTIONAL	—							
65801-022	22	2.100	53.34	2.390	60.71	2.315	58.80	1	CONVENTIONAL	—							
65801-023	23	2.200	55.88	2.490	63.25	2.415	61.34	1	CONVENTIONAL	—							
65801-024	24	2.300	58.42	2.590	65.79	2.515	63.88	1	CONVENTIONAL	—							
65801-025	25	2.400	60.96	2.690	68.33	2.615	66.42	1	CONVENTIONAL	—							
65801-026	26	2.500	63.50	2.790	70.87	2.715	68.96	1	CONVENTIONAL	—							
65801-027	27	2.600	66.04	2.890	73.41	2.815	71.50	1	CONVENTIONAL	—							
65801-028	28	2.700	68.58	2.990	75.95	2.915	74.04	1	CONVENTIONAL	—							
65801-029	29	2.800	71.12	3.090	78.49	3.015	76.58	1	CONVENTIONAL	—							
65801-030	30	2.900	73.66	3.190	81.03	3.115	79.12	1	CONVENTIONAL	—							
65801-031	31	3.000	76.20	3.290	83.57	3.215	81.66	1	CONVENTIONAL	—							
65801-032	32	3.100	78.74	3.390	86.11	3.315	84.20	1	CONVENTIONAL	—							

mat'l. code

ISO 1302 ✓

ISO 406

ISO 1101

tr

ecn

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date

AN

angles

linear

0°±2°

dr

engr

chr

appd

T.BREWBAKER

T. HANNA

J.MURPHY

T. HANNA

5/17/94

5/17/94

5/17/94

5/17/94

sheet

revision

index

sheet

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1

2

3

4

5

6

PRODUCT NO.
NOTE 9

NO. OF
POSITIONS

DIM. L
ENGLISH

DIM. L
METRIC

DIM. M
ENGLISH

DIM. M
METRIC

DIM. C
ENGLISH

DIM. C
METRIC

PLATING
CODE

TERMINATION
NOTE 6

NOTES

65801-102

2

0.100

2.54

0.390

9.91

0.315

8.00

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INK

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65801-103

3

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5.08

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65801-104

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65801-105

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65801-106

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65801-107

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65801-108

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65801-109

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65801-110

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65801-111

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65801-112

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65801-116

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65801-120

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65801-122

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65801-126

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65801-127

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65801-128

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3.015

76.58

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81.03

3.115

79.12

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INK

-

65801-131

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3.215

81.66

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INK

-

65801-132

32

3.100

78.74

3.390

86.11

3.315

84.20

1

INK

-

FCIconnect.com

Copyright FCI

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

AN

angles

linear

0°±2'

dr T.BREWBAKER 5/17/94

engr T. HANNA 5/17/94

chr J.MURPHY 5/17/94

appd T. HANNA 5/17/94

sheet index

revision sheet

scale 3:1

dwg no 65801

sheet 5 of 7

size A3

type Product Customer Drawing

XXXX.01/XXXX.03

XXXX±.005/0.004±0.13

XXXX±.0020/0.001±0.051

FCI

PDS: Rev :AN

STATUS: Released

Printed: Mar 07, 2012

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		INCH/MM		dwg no sheet 7 of 7 size	
AN		angles		linea		scale 3:1		65801 A3	
		0°±2°							
		dr		T.BREWBAKER 5/17/94					
		engr		T. HANNA 5/17/94					
		chr		J.MURPHY 5/17/94					
		appd		T. HANNA 5/17/94				type Product Customer Drawing	
sheet index		revision sheet							