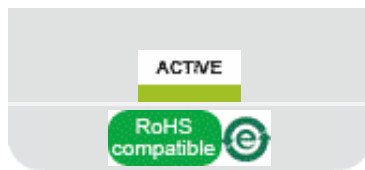


**65801-017LF - Clincher™ :
17 Positions Single row
Vertical Receptacle**



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Mating Half

▶ 66226-017LF

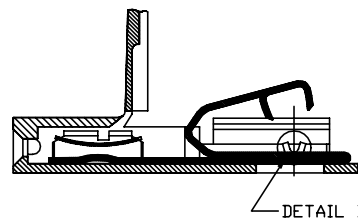
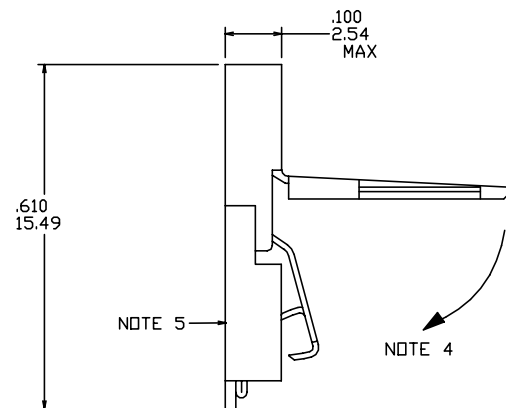
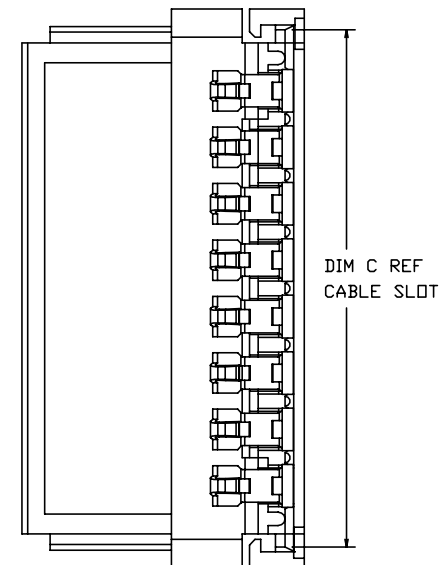
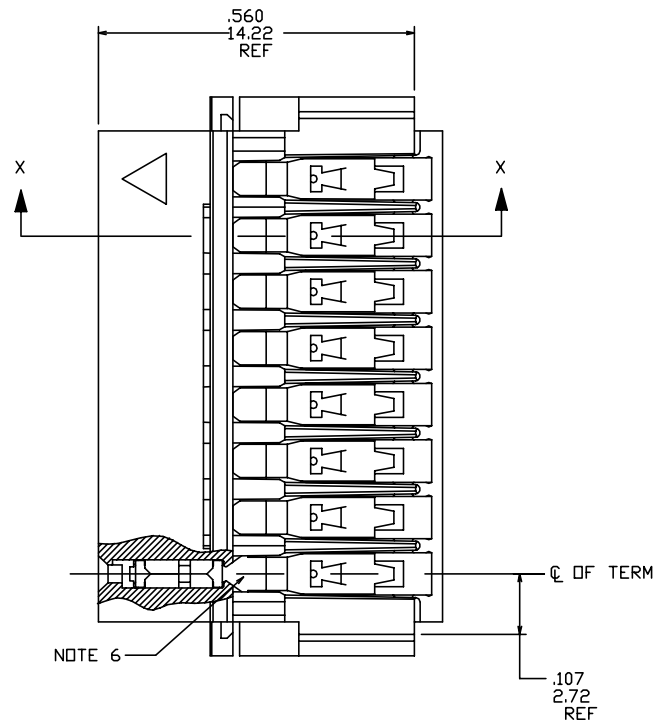
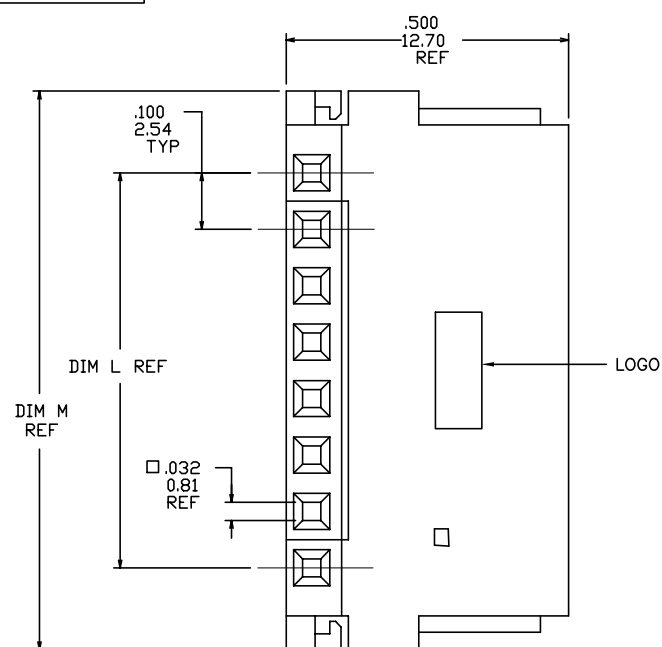
▶ 66226-049LF

Specifications

General	
Applied to	Flat Conductor, Flat Cable
Number of contacts (Total)	17
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)	2.54 µm (100 µin.) Pure Tin
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			
l	tr	ec	n	o	d	r	date	tolerances unless otherwise specified		
AN	ELX-N-010493	ZK	06/03/12	angles	linea			title		
				0°±2°				CLINCHER™ RECEPTACLE ASSEMBLY		
AH	V60509	HTB	3/5/96					dwg no		
AJ	M05-0087	MHT	6/15/05	dr	T.BREWBAKER	5/17/94		sheet 1 of 7		
AK	M06-0233	AGS	6/12/06	engr	T. HANNA	5/17/94		65801		
AL	M07-0088	MHT	2/06/07	chr	J.MURPHY	5/17/94		A3		
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			

PLATING AVAILABLE

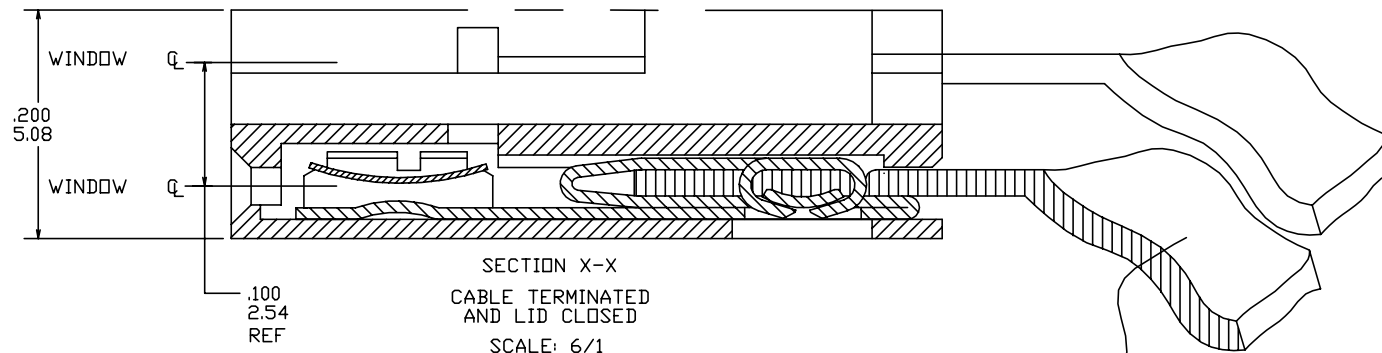
PLATING CODE	TERMINAL	SPRING
1	100u"/2.54u MIN. THICK PURE TIN	10u"/.25u MIN. THICK PURE TIN
2	30u"/.76u MIN. GOLD OR GXT STRIPE IN BOX AREA NOTE 12	3u"/.08u MIN. GOLD OVER 50u"/1.27u MIN. NICKLE

PRODUCT NUMBER

65801-XXXLF

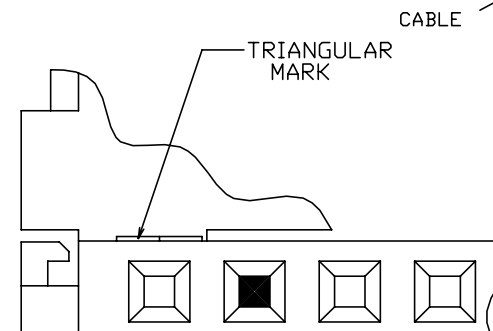
LEAD FREE OPTION
NOTE 9,10NO OF POSITIONS
AND PLATING

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 0°±2'	scale 3:1	title CLINCHER™ RECEPTACLE ASSEMBLY
AN	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			

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

65801-001

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

surface
ISO 1302 ✓

tolerance
ISO 406
ISO 1101

projection
INCH/MM

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

dwg no 65801

sheet 3 of 7

size A3

type Product Customer Drawing

Form: A3

1

2

3

4

5

6

PDS: Rev :AN

STATUS: Released

Printed: Mar 07, 2012

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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	NOTES
	POSITIONS	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	CODE	NOTE 6	
65801-133	4	0.300	7.62	0.590	14.99	0.515	13.08	2	INK	-
65801-134	5	0.400	10.16	0.690	17.53	0.615	15.62	2	INK	-
65801-135	6	0.500	12.70	0.790	20.07	0.715	18.16	2	INK	-
65801-136	7	0.600	15.24	0.890	22.61	0.815	20.70	2	INK	-
65801-137	8	0.700	17.78	0.990	25.15	0.915	23.24	2	INK	-
65801-138	9	0.800	20.32	1.090	27.69	1.015	25.78	2	INK	-
65801-139	10	0.900	22.86	1.190	30.23	1.115	28.32	2	INK	-
65801-140	11	1.000	25.40	1.290	32.77	1.215	30.86	2	INK	-
65801-141	12	1.100	27.94	1.390	35.31	1.315	33.40	2	INK	-
65801-142	13	1.200	30.48	1.490	37.85	1.415	35.94	2	INK	-
65801-143	14	1.300	33.02	1.590	40.39	1.515	38.48	2	INK	-
65801-144	15	1.400	35.56	1.690	42.93	1.615	41.02	2	INK	-
65801-145	16	1.500	38.10	1.790	45.47	1.715	43.56	2	INK	-
65801-146	17	1.600	40.64	1.890	48.01	1.815	46.10	2	INK	-
65801-147	18	1.700	43.18	1.990	50.55	1.915	48.64	2	INK	-
65801-148	19	1.800	45.72	2.090	53.09	2.015	51.18	2	INK	-
65801-149	20	1.900	48.26	2.190	55.63	2.115	53.72	2	INK	-
65801-150	21	2.000	50.80	2.290	58.17	2.215	56.26	2	INK	-
65801-151	22	2.100	53.34	2.390	60.71	2.315	58.80	2	INK	-
65801-152	23	2.200	55.88	2.490	63.25	2.415	61.34	2	INK	-
65801-153	24	2.300	58.42	2.590	65.79	2.515	63.88	2	INK	-
65801-154	25	2.400	60.96	2.690	68.33	2.615	66.42	2	INK	-
65801-155	26	2.500	63.50	2.790	70.87	2.715	68.96	2	INK	-
65801-156	27	2.600	66.04	2.890	73.41	2.815	71.50	2	INK	-
65801-157	28	2.700	68.58	2.990	75.95	2.915	74.04	2	INK	-
65801-158	29	2.800	71.12	3.090	78.49	3.015	76.58	2	INK	-
65801-159	30	2.900	73.66	3.190	81.03	3.115	79.12	2	INK	-
65801-160	31	3.000	76.20	3.290	83.57	3.215	81.66	2	INK	-
65801-161	32	3.100	78.74	3.390	86.11	3.315	84.20	2	INK	-
65801-162	3	0.200	5.08	0.490	12.45	0.415	10.54	2	INK	-
65801-163	2	0.100	2.54	0.390	9.91	0.315	8.00	2	INK	-
65801-164				U N A S S I G N E D						
65801-165				U N A S S I G N E D						
65801-166	34	3.300	83.82	3.590	91.19	3.515	89.28	2	INK	-
65801-167	12	1.100	27.94	1.390	35.31	1.315	33.40	2	INK	NOTE 5

mat'l. code

surface
ISO 1302 ✓

tolerance
ISO 406
ISO 1101

projection
INCH/MM

product family
CLINCHER

title
CLINCHER™ RECEPTACLE ASSEMBLY

dwg no
65801

sheet 6 of 7

size
A3

type
Product Customer Drawing

revision
sheet

date

angles
linear

0°±2'

dr
T.BREWBAKER 5/17/94

enr
T. HANNA 5/17/94

chr
J.MURPHY 5/17/94

app
T. HANNA 5/17/94

sheet index

1

2

3

4

5

6

Form: A3

1

2

3

4

5

6

PDS: Rev :AN

STATUS: Released

Printed: Mar 07, 2012



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