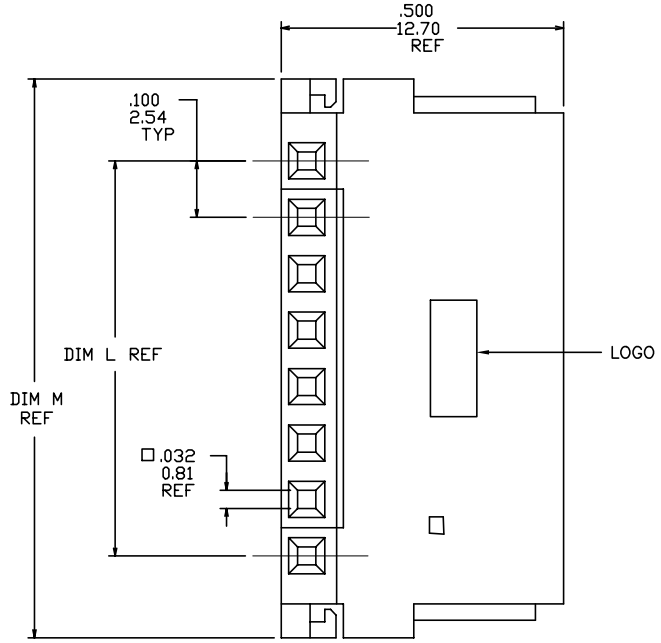
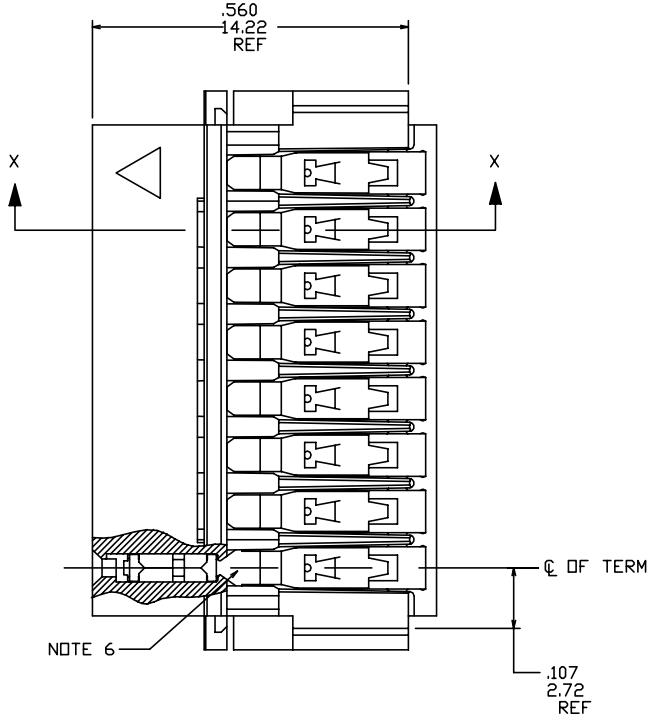
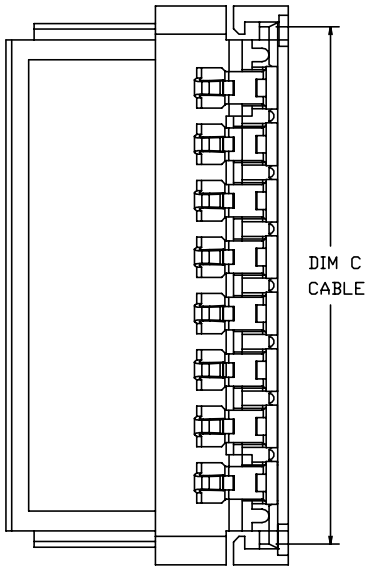
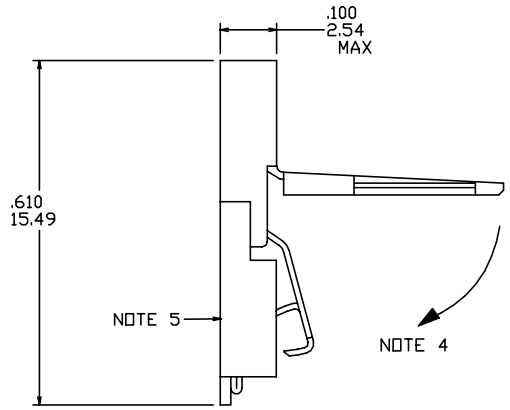
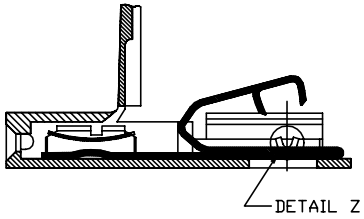
PRODUCT NUMBER
SEE TABLE











SECTION X-X

DETAIL Z
SCALE 6/1

ltr	ecn	nodr	date
AN	ELX-N-010493	ZK	06/03/12
AH	V60509	HTB	3/5/96
AJ	M05-0087	MHT	6/15/05
AK	M06-0233	AGS	6/12/06
AL	M07-0088	MHT	2/06/07
AM	M09-0062	CMR	4/09/09

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	1	2	3	4	5	6	7
revision	AN	AN	AN	AN	AN	AN	AN

mat'l. code

surface ISO 1302

tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

angles 0°±2°

linear .XX±.01/0.X±0.3; .XXX±.005/0.XX±0.13; .XXXX±.0020/0.XXX±0.051

projection

INCH/MM

scale 3:1

product family: CLINCHER

title: CLINCHER™ RECEPTACLE ASSEMBLY

dwg no 65801

sheet 1 of 7

size A3

type Product Customer Drawing

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form: A3

PDS: Rev :AN STATUS: Released Printed: Mar 07, 2012

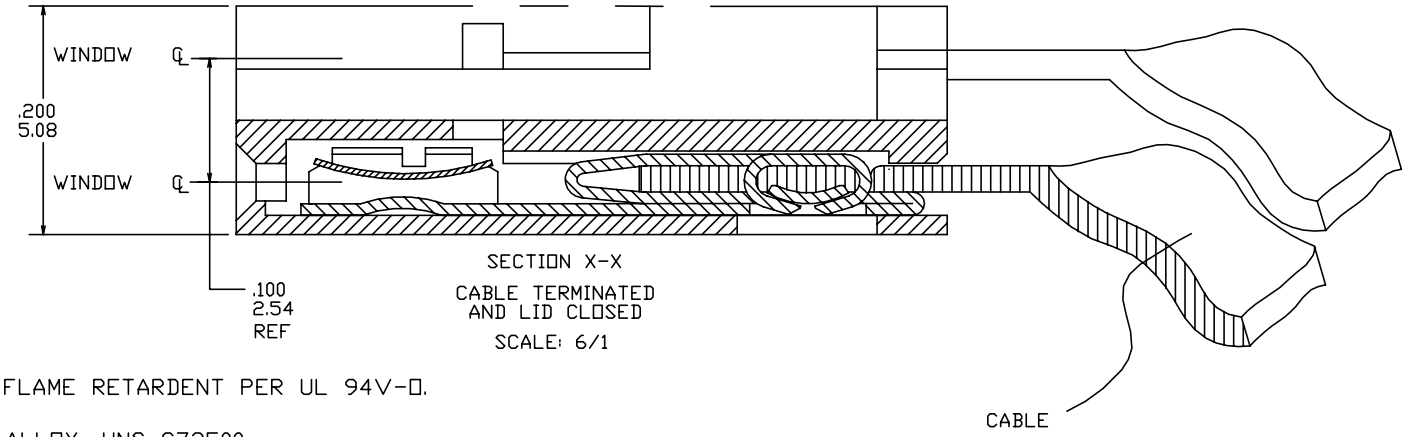
PLATING AVAILABLE

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



SECTION X-X

CABLE TERMINATED AND LID CLOSED

SCALE: 6/1

NOTES:

1. MOLDING MAT'L: THERMOPLASTIC, FLAME RETARDENT PER UL 94V-0. COLOR: BLUE.
2. TERMINAL MAT'L: 1/2 HARD CuNi ALLOY, UNS-C72500. PLATING: SEE TABULATION AND PLATING TABLE.
3. SPRING MAT'L: 1/2 HARD BeCu ALLOY, UNS-C17200. PLATING: SEE TABULATION AND PLATING TABLE.
4. LATCH SWINGS CLOSED AFTER TERMINATION MAINTAINING A MAX OVER ALL HEIGHT OF .100/2.54
5. LABEL IN THIS AREA P/N AND DATE LOT CODE (WEEK AND YEAR) ON DASH No.-067 AND -167 ONLY.
6. KNURL MARK INDICATES FOR USE WITH INK TERMINATION. CONSULT WITH BERG ELECTRONICS TECHNICAL REPRESENTATIVE FOR SPECIFIC APPLICATIONS.
7. 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.
8. AN EIGHT DIGIT PART NUMBER FOLLOWED BY A "J" INDICATES INVENTORY FOR JAPAN ONLY.
9. ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
10. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
11. THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING SOLDER PROCESS
12. PLATING OPTIONS: MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

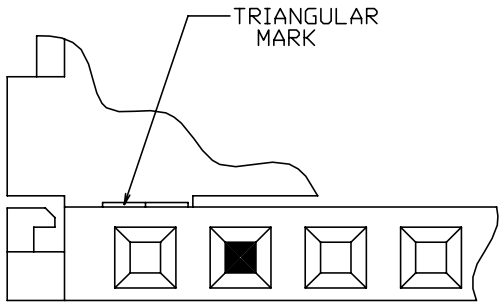


FIG A
NOTE 7

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family CLINCHER
ltr	ecn	nodr	date	tolerances unless otherwise specified			title
AN				angles 0°±2°	linear .XX±.01/0.X±0.3; .XXX±.005/0.XX±0.13; .XXXX±.0020/0.XXX±0.051	INCH/MM	CLINCHER™ RECEPTACLE ASSEMBLY
						scale 3:1	
				dr T.BREWBAKER 5/17/94			dwg no 65801 sheet 2 of 7 size A3
				engr T. HANNA 5/17/94			
				chr J.MURPHY 5/17/94			type Product Customer Drawing
				appd T. HANNA 5/17/94			
sheet index	revision sheet						

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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			UNASSIGNED							
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

ltr	ecn	nodr	date
AN			

surface ISO 1302 √ tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

angles 0°±2°

linear .XX±.01/0.X±0.3 .XXX±.005/0.XX±0.13 .XXXX±.0020/0.XXX±0.051

projection

INCH/MM

scale 3:1

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

product family: CLINCHER

title: CLINCHER™ RECEPTACLE ASSEMBLY

dwg no: 65801 sheet 3 of 7 size A3

type: Product Customer Drawing

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form: A3

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
65801-033	4	0.300	7.62	0.590	14.99	0.515	13.08	2	CONVENTIONAL	–
65801-034	5	0.400	10.16	0.690	17.53	0.615	15.62	2	CONVENTIONAL	–
65801-035	6	0.500	12.70	0.790	20.07	0.715	18.16	2	CONVENTIONAL	–
65801-036	7	0.600	15.24	0.890	22.61	0.815	20.70	2	CONVENTIONAL	–
65801-037	8	0.700	17.78	0.990	25.15	0.915	23.24	2	CONVENTIONAL	–
65801-038	9	0.800	20.32	1.090	27.69	1.015	25.78	2	CONVENTIONAL	–
65801-039	10	0.900	22.86	1.190	30.23	1.115	28.32	2	CONVENTIONAL	–
65801-040	11	1.000	25.40	1.290	32.77	1.215	30.86	2	CONVENTIONAL	–
65801-041	12	1.100	27.94	1.390	35.31	1.315	33.40	2	CONVENTIONAL	–
65801-042	13	1.200	30.48	1.490	37.85	1.415	35.94	2	CONVENTIONAL	–
65801-043	14	1.300	33.02	1.590	40.39	1.515	38.48	2	CONVENTIONAL	–
65801-044	15	1.400	35.56	1.690	42.93	1.615	41.02	2	CONVENTIONAL	–
65801-045	16	1.500	38.10	1.790	45.47	1.715	43.56	2	CONVENTIONAL	–
65801-046	17	1.600	40.64	1.890	48.01	1.815	46.10	2	CONVENTIONAL	–
65801-047	18	1.700	43.18	1.990	50.55	1.915	48.64	2	CONVENTIONAL	–
65801-048	19	1.800	45.72	2.090	53.09	2.015	51.18	2	CONVENTIONAL	–
65801-049	20	1.900	48.26	2.190	55.63	2.115	53.72	2	CONVENTIONAL	–
65801-050	21	2.000	50.80	2.290	58.17	2.215	56.26	2	CONVENTIONAL	–
65801-051	22	2.100	53.34	2.390	60.71	2.315	58.80	2	CONVENTIONAL	–
65801-052	23	2.200	55.88	2.490	63.25	2.415	61.34	2	CONVENTIONAL	–
65801-053	24	2.300	58.42	2.590	65.79	2.515	63.88	2	CONVENTIONAL	–
65801-054	25	2.400	60.96	2.690	68.33	2.615	66.42	2	CONVENTIONAL	–
65801-055	26	2.500	63.50	2.790	70.87	2.715	68.96	2	CONVENTIONAL	–
65801-056	27	2.600	66.04	2.890	73.41	2.815	71.50	2	CONVENTIONAL	–
65801-057	28	2.700	68.58	2.990	75.95	2.915	74.04	2	CONVENTIONAL	–
65801-058	29	2.800	71.12	3.090	78.49	3.015	76.58	2	CONVENTIONAL	–
65801-059	30	2.900	73.66	3.190	81.03	3.115	79.12	2	CONVENTIONAL	–
65801-060	31	3.000	76.20	3.290	83.57	3.215	81.66	2	CONVENTIONAL	–
65801-061	32	3.100	78.74	3.390	86.11	3.315	84.20	2	CONVENTIONAL	–
65801-062	3	0.200	5.08	0.490	12.45	0.415	10.54	2	CONVENTIONAL	–
65801-063	2	0.100	2.54	0.390	9.91	0.315	8.00	2	CONVENTIONAL	–
65801-064	34	3.300	83.82	3.590	91.19	3.515	89.28	1	CONVENTIONAL	–
65801-065	33	3.200	81.28	3.490	88.65	3.415	86.74	1	CONVENTIONAL	–
65801-066	34	3.300	83.82	3.590	91.19	3.515	89.28	2	CONVENTIONAL	–
65801-067	12	1.100	27.94	1.390	35.31	1.315	33.40	2	CONVENTIONAL	NOTE 5

mat'l. code

ltr	ecn	nodr	date
AN			

surface ISO 1302 √ tolerance ISO 406 ISO 1101

tolerances unless otherwise specified:

angles 0°±2°

linear .XX±.01/0.X±0.3 .XXX±.005/0.XX±0.13 .XXXX±.0020/0.XXX±0.051

projection

INCH/MM

scale 3:1

dr	T.BREWBAKER	5/17/94
engr	T. HANNA	5/17/94
chr	J.MURPHY	5/17/94
appd	T. HANNA	5/17/94

product family: CLINCHER

title: CLINCHER™ RECEPTACLE ASSEMBLY

dwg no: 65801 sheet 4 of 7 size: A3

type: Product Customer Drawing

sheet index | revision sheet

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form: A3

PDS: Rev :AN STATUS: Released Printed: Mar 07, 2012

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	1	INK	-
65801-103	3	0.200	5.08	0.490	12.45	0.415	10.54	1	INK	-
65801-104	4	0.300	7.62	0.590	14.99	0.515	13.08	1	INK	-
65801-105	5	0.400	10.16	0.690	17.53	0.615	15.62	1	INK	-
65801-106	6	0.500	12.70	0.790	20.07	0.715	18.16	1	INK	-
65801-107	7	0.600	15.24	0.890	22.61	0.815	20.70	1	INK	-
65801-108	8	0.700	17.78	0.990	25.15	0.915	23.24	1	INK	-
65801-109	9	0.800	20.32	1.090	27.69	1.015	25.78	1	INK	-
65801-110	10	0.900	22.86	1.190	30.23	1.115	28.32	1	INK	-
65801-111	11	1.000	25.40	1.290	32.77	1.215	30.86	1	INK	-
65801-112	12	1.100	27.94	1.390	35.31	1.315	33.40	1	INK	-
65801-113	13	1.200	30.48	1.490	37.85	1.415	35.94	1	INK	-
65801-114	14	1.300	33.02	1.590	40.39	1.515	38.48	1	INK	-
65801-115	15	1.400	35.56	1.690	42.93	1.615	41.02	1	INK	-
65801-116	16	1.500	38.10	1.790	45.47	1.715	43.56	1	INK	-
65801-117	17	1.600	40.64	1.890	48.01	1.815	46.10	1	INK	-
65801-118	18	1.700	43.18	1.990	50.55	1.915	48.64	1	INK	-
65801-119	19	1.800	45.72	2.090	53.09	2.015	51.18	1	INK	-
65801-120	20	1.900	48.26	2.190	55.63	2.115	53.72	1	INK	-
65801-121	21	2.000	50.80	2.290	58.17	2.215	56.26	1	INK	-
65801-122	22	2.100	53.34	2.390	60.71	2.315	58.80	1	INK	-
65801-123	23	2.200	55.88	2.490	63.25	2.415	61.34	1	INK	-
65801-124	24	2.300	58.42	2.590	65.79	2.515	63.88	1	INK	-
65801-125	25	2.400	60.96	2.690	68.33	2.615	66.42	1	INK	-
65801-126	26	2.500	63.50	2.790	70.87	2.715	68.96	1	INK	-
65801-127	27	2.600	66.04	2.890	73.41	2.815	71.50	1	INK	-
65801-128	28	2.700	68.58	2.990	75.95	2.915	74.04	1	INK	-
65801-129	29	2.800	71.12	3.090	78.49	3.015	76.58	1	INK	-
65801-130	30	2.900	73.66	3.190	81.03	3.115	79.12	1	INK	-
65801-131	31	3.000	76.20	3.290	83.57	3.215	81.66	1	INK	-
65801-132	32	3.100	78.74	3.390	86.11	3.315	84.20	1	INK	-

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mat'l. code

ltr	ecn	nodr	date
AN			

surface ISO 1302 ✓ | tolerance ISO 406 ISO 1101

tolerances unless otherwise specified

angles 0°±2° | linear .XX±.01/0.X±0.3 | .XXX±.005/0.XX±0.13 | .XXXX±.0020/0.XXX±0.051

projection | INCH/MM | scale 3:1

dr	T.BREWBAKER	5/17/94
engr	T. HANNA	5/17/94
chr	J.MURPHY	5/17/94
appd	T. HANNA	5/17/94

product family: CLINCHER

title: CLINCHER™ RECEPTACLE ASSEMBLY

dwg no: 65801 | sheet 5 of 7 | size: A3

type: Product Customer Drawing

sheet index | revision sheet

form: A3

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
65801-133	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

ltr	ecn	nodr	date
AN			

surface ISO 1302 √ | tolerance ISO 406 ISO 1101

tolerances unless otherwise specified:

angles 0°±2° | linear .XX±.01/0.X±0.3 | .XXX±.005/0.XX±0.13 | .XXXX±.0020/0.XXX±.051

projection | INCH/MM | scale 3:1

dr	T.BREWBAKER	5/17/94
engr	T. HANNA	5/17/94
chr	J.MURPHY	5/17/94
appd	T. HANNA	5/17/94

product family: CLINCHER

title: CLINCHER™ RECEPTACLE ASSEMBLY

dwg no 65801 | sheet 6 of 7 | size A3

type: Product Customer Drawing

sheet index | revision sheet

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form: A3

PDS: Rev :AN STATUS: Released Printed: Mar 07, 2012

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	CLOSED POS. NOTE 7	TERMINAL ABSENT 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

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mat'l. code		surface ISO 1302 √	tolerance ISO 406 ISO 1101	projection
ltr ecn nodr date		tolerances unless otherwise specified		
AN	angles	linear	.XX±.01/0.X±.3	INCH/MM
			.XXX±.005/0.XX±0.13	
	0°±2°		.XXXX±.0020/0.XXX±0.051	scale 3:1
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 revision index sheet				

product family: CLINCHER

title: CLINCHER™ RECEPTACLE ASSEMBLY

dwg no: 65801 | sheet 7 of 7 | size: A3

type: Product Customer Drawing

form: A3

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