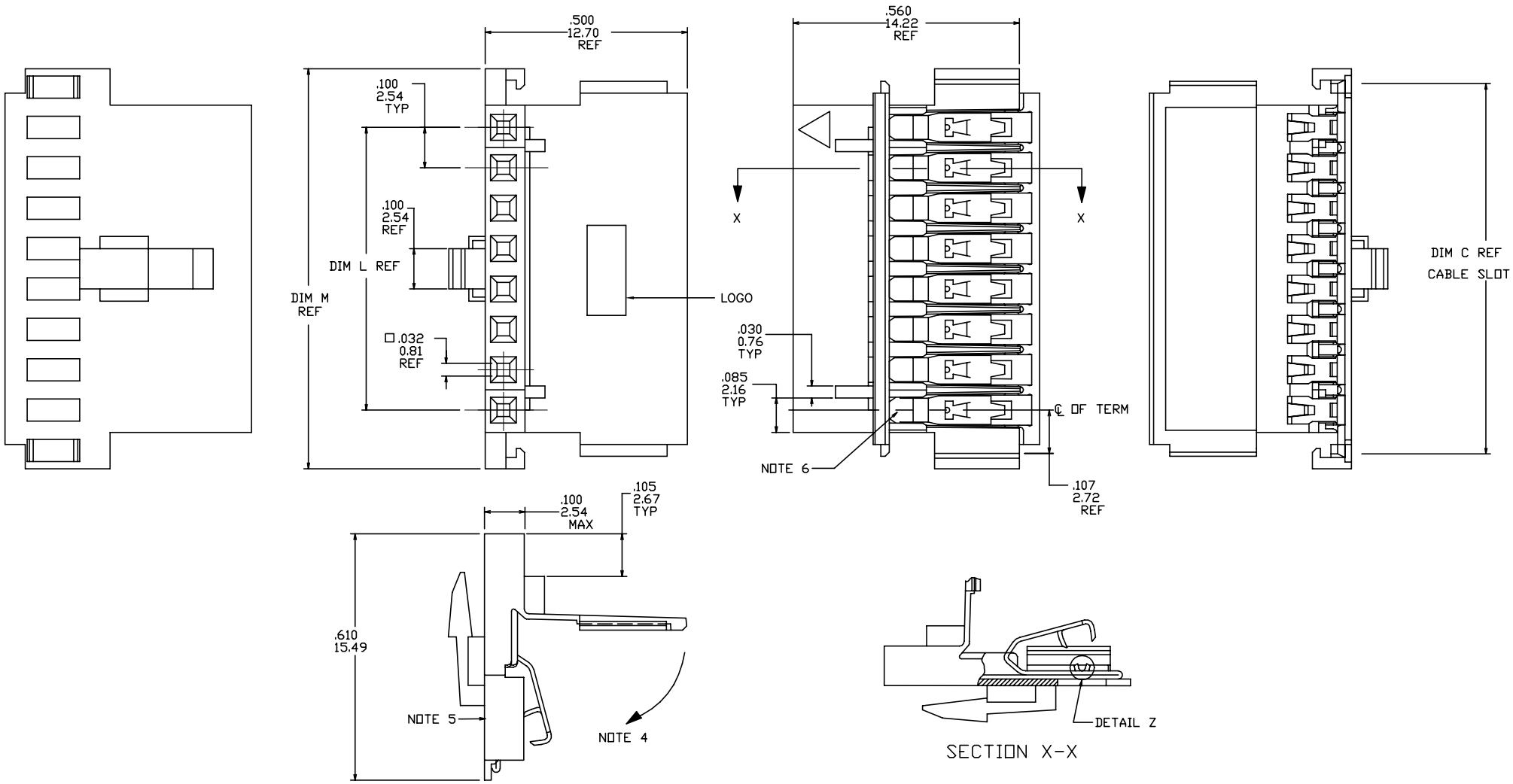
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REF
.100
2.54
TYP
.100
2.54
REF
DIM L REF
DIM M
REF
□.032
0.81
REF
LOGO
.560
14.22
REF
X
X
.030
0.76
TYP
.085
2.16
TYP
℄ OF TERM
NOTE 6
.107
2.72
REF
DIM C REF
CABLE SLOT
.100
2.54
MAX
.105
2.67
TYP
.610
15.49
NOTE 5
NOTE 4
DETAIL Z
SECTION X-X

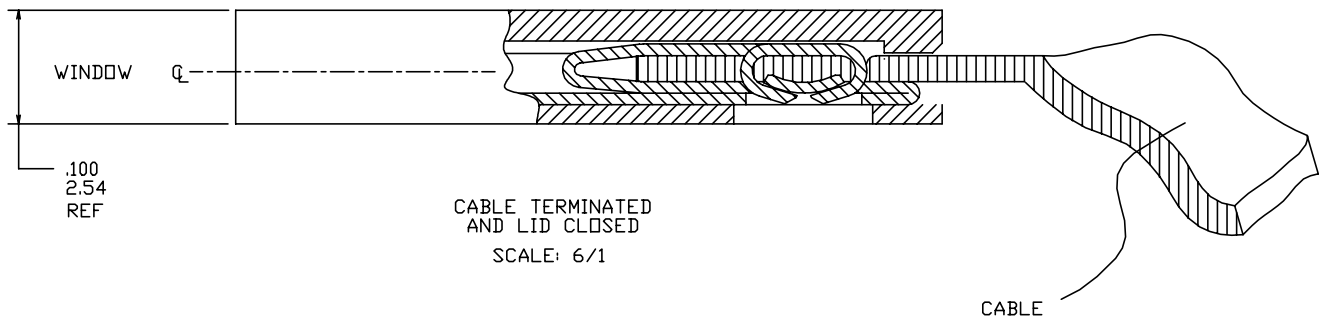
| | | |

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 10	3u"/.08u MIN. GOLD OVER 50u"/1.27u MIN. NICKLE

PRODUCT NUMBER
10022753-XXXLF

- LEAD FREE OPTION NOTE 7,8
- NO OF POSITIONS AND PLATING
- BASE PART NUMBER



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. ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
8. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
9. THE PRODUCT IS NOT INTENDED TO BE EXPOSED TO A MANUFACTURING SOLDER PROCESS
10. PLATING OPTION MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

DETAIL Z
SCALE 6/1

| | | |

PRODUCT NO. NOTE 7	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	
10022753-006	6	0.500	12.70	0.790	20.07	0.715	18.16	1	CONVENTIONAL	
10022753-007	7	0.600	15.24	0.890	22.61	0.815	20.70	1	CONVENTIONAL	
10022753-008	8	0.700	17.78	0.990	25.15	0.915	23.24	1	CONVENTIONAL	
10022753-009	9	0.800	20.32	1.090	27.69	1.015	25.78	1	CONVENTIONAL	
10022753-010	10	0.900	22.86	1.190	30.23	1.115	28.32	1	CONVENTIONAL	
10022753-011	11	1.000	25.40	1.290	32.77	1.215	30.86	1	CONVENTIONAL	
10022753-012	12	1.100	27.94	1.390	35.31	1.315	33.40	1	CONVENTIONAL	
10022753-013	13	1.200	30.48	1.490	37.85	1.415	35.94	1	CONVENTIONAL	
10022753-014	14	1.300	33.02	1.590	40.39	1.515	38.48	1	CONVENTIONAL	
10022753-015	15	1.400	35.56	1.690	42.93	1.615	41.02	1	CONVENTIONAL	
10022753-016	16	1.500	38.10	1.790	45.47	1.715	43.56	1	CONVENTIONAL	
10022753-017	17	1.600	40.64	1.890	48.01	1.815	46.10	1	CONVENTIONAL	
10022753-018	18	1.700	43.18	1.990	50.55	1.915	48.64	1	CONVENTIONAL	
10022753-019	19	1.800	45.72	2.090	53.09	2.015	51.18	1	CONVENTIONAL	
10022753-020	20	1.900	48.26	2.190	55.63	2.115	53.72	1	CONVENTIONAL	
10022753-021	21	2.000	50.80	2.290	58.17	2.215	56.26	1	CONVENTIONAL	
10022753-022	22	2.100	53.34	2.390	60.71	2.315	58.80	1	CONVENTIONAL	
10022753-023	23	2.200	55.88	2.490	63.25	2.415	61.34	1	CONVENTIONAL	
10022753-024	24	2.300	58.42	2.590	65.79	2.515	63.88	1	CONVENTIONAL	
10022753-025	25	2.400	60.96	2.690	68.33	2.615	66.42	1	CONVENTIONAL	
10022753-026	26	2.500	63.50	2.790	70.87	2.715	68.96	1	CONVENTIONAL	
10022753-027	27	2.600	66.04	2.890	73.41	2.815	71.50	1	CONVENTIONAL	
10022753-028	28	2.700	68.58	2.990	75.95	2.915	74.04	1	CONVENTIONAL	
10022753-029	29	2.800	71.12	3.090	78.49	3.015	76.58	1	CONVENTIONAL	
10022753-030	30	2.900	73.66	3.190	81.03	3.115	79.12	1	CONVENTIONAL	
10022753-031	31	3.000	76.20	3.290	83.57	3.215	81.66	1	CONVENTIONAL	
10022753-032	32	3.100	78.74	3.390	86.11	3.315	84.20	1	CONVENTIONAL	
10022753-033	33	3.200	81.28	3.490	88.65	3.415	86.74	1	CONVENTIONAL	
10022753-034	34	3.300	83.82	3.590	91.19	3.515	89.28	1	CONVENTIONAL	

mat'l. code

ltr	ecn	nodr	date
F			

surface ISO 1302 ✓ | tolerance ISO 406 ISO 1101 | projection

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

INCH/MM

scale 1:1

dr	T. BRUNGARD	4/17/03
engr	H. SUNDY	4/17/03
chr	H. SUNDY	4/17/03
appd	H. SUNDY	4/17/03

sheet index | revision sheet

product family: CLINCHER

title: LATCHING CLINCHER™ RECEPTACLE ASSEMBLY

dwg no: 10022753 | sheet 3 of 6 | size: A3

type: Product Customer Drawing

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form: A3

PRODUCT NO. NOTE 7	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	
10022753-039	6	0.500	12.70	0.790	20.07	0.715	18.16	2	CONVENTIONAL	
10022753-040	7	0.600	15.24	0.890	22.61	0.815	20.70	2	CONVENTIONAL	
10022753-041	8	0.700	17.78	0.990	25.15	0.915	23.24	2	CONVENTIONAL	
10022753-042	9	0.800	20.32	1.090	27.69	1.015	25.78	2	CONVENTIONAL	
10022753-043	10	0.900	22.86	1.190	30.23	1.115	28.32	2	CONVENTIONAL	
10022753-044	11	1.000	25.40	1.290	32.77	1.215	30.86	2	CONVENTIONAL	
10022753-045	12	1.100	27.94	1.390	35.31	1.315	33.40	2	CONVENTIONAL	
10022753-046	13	1.200	30.48	1.490	37.85	1.415	35.94	2	CONVENTIONAL	
10022753-047	14	1.300	33.02	1.590	40.39	1.515	38.48	2	CONVENTIONAL	
10022753-048	15	1.400	35.56	1.690	42.93	1.615	41.02	2	CONVENTIONAL	
10022753-049	16	1.500	38.10	1.790	45.47	1.715	43.56	2	CONVENTIONAL	
10022753-050	17	1.600	40.64	1.890	48.01	1.815	46.10	2	CONVENTIONAL	
10022753-051	18	1.700	43.18	1.990	50.55	1.915	48.64	2	CONVENTIONAL	
10022753-052	19	1.800	45.72	2.090	53.09	2.015	51.18	2	CONVENTIONAL	
10022753-053	20	1.900	48.26	2.190	55.63	2.115	53.72	2	CONVENTIONAL	
10022753-054	21	2.000	50.80	2.290	58.17	2.215	56.26	2	CONVENTIONAL	
10022753-055	22	2.100	53.34	2.390	60.71	2.315	58.80	2	CONVENTIONAL	
10022753-056	23	2.200	55.88	2.490	63.25	2.415	61.34	2	CONVENTIONAL	
10022753-057	24	2.300	58.42	2.590	65.79	2.515	63.88	2	CONVENTIONAL	
10022753-058	25	2.400	60.96	2.690	68.33	2.615	66.42	2	CONVENTIONAL	
10022753-059	26	2.500	63.50	2.790	70.87	2.715	68.96	2	CONVENTIONAL	
10022753-060	27	2.600	66.04	2.890	73.41	2.815	71.50	2	CONVENTIONAL	
10022753-061	28	2.700	68.58	2.990	75.95	2.915	74.04	2	CONVENTIONAL	
10022753-062	29	2.800	71.12	3.090	78.49	3.015	76.58	2	CONVENTIONAL	
10022753-063	30	2.900	73.66	3.190	81.03	3.115	79.12	2	CONVENTIONAL	
10022753-064	31	3.000	76.20	3.290	83.57	3.215	81.66	2	CONVENTIONAL	
10022753-065	32	3.100	78.74	3.390	86.11	3.315	84.20	2	CONVENTIONAL	
10022753-066	33	3.200	81.28	3.490	88.65	3.415	86.74	2	CONVENTIONAL	
10022753-067	34	3.300	83.82	3.590	91.19	3.515	89.28	2	CONVENTIONAL	

mat'l. code

ltr	ecn	nodr	date
F			

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 1:1

dr	T. BRUNGARD	4/17/03
engr	H. SUNDY	4/17/03
chr	H. SUNDY	4/17/03
appd	H. SUNDY	4/17/03

product family: CLINCHER

title: LATCHING CLINCHER™ RECEPTACLE ASSEMBLY

dwg no: 10022753 sheet 4 of 6 size: A3

type: Product Customer Drawing

sheet index | revision sheet

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form: A3

PRODUCT NO. NOTE 7	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	
10022753-106	6	0.500	12.70	0.790	20.07	0.715	18.16	1	INK	
10022753-107	7	0.600	15.24	0.890	22.61	0.815	20.70	1	INK	
10022753-108	8	0.700	17.78	0.990	25.15	0.915	23.24	1	INK	
10022753-109	9	0.800	20.32	1.090	27.69	1.015	25.78	1	INK	
10022753-110	10	0.900	22.86	1.190	30.23	1.115	28.32	1	INK	
10022753-111	11	1.000	25.40	1.290	32.77	1.215	30.86	1	INK	
10022753-112	12	1.100	27.94	1.390	35.31	1.315	33.40	1	INK	
10022753-113	13	1.200	30.48	1.490	37.85	1.415	35.94	1	INK	
10022753-114	14	1.300	33.02	1.590	40.39	1.515	38.48	1	INK	
10022753-115	15	1.400	35.56	1.690	42.93	1.615	41.02	1	INK	
10022753-116	16	1.500	38.10	1.790	45.47	1.715	43.56	1	INK	
10022753-117	17	1.600	40.64	1.890	48.01	1.815	46.10	1	INK	
10022753-118	18	1.700	43.18	1.990	50.55	1.915	48.64	1	INK	
10022753-119	19	1.800	45.72	2.090	53.09	2.015	51.18	1	INK	
10022753-120	20	1.900	48.26	2.190	55.63	2.115	53.72	1	INK	
10022753-121	21	2.000	50.80	2.290	58.17	2.215	56.26	1	INK	
10022753-122	22	2.100	53.34	2.390	60.71	2.315	58.80	1	INK	
10022753-123	23	2.200	55.88	2.490	63.25	2.415	61.34	1	INK	
10022753-124	24	2.300	58.42	2.590	65.79	2.515	63.88	1	INK	
10022753-125	25	2.400	60.96	2.690	68.33	2.615	66.42	1	INK	
10022753-126	26	2.500	63.50	2.790	70.87	2.715	68.96	1	INK	
10022753-127	27	2.600	66.04	2.890	73.41	2.815	71.50	1	INK	
10022753-128	28	2.700	68.58	2.990	75.95	2.915	74.04	1	INK	
10022753-129	29	2.800	71.12	3.090	78.49	3.015	76.58	1	INK	
10022753-130	30	2.900	73.66	3.190	81.03	3.115	79.12	1	INK	
10022753-131	31	3.000	76.20	3.290	83.57	3.215	81.66	1	INK	
10022753-132	32	3.100	78.74	3.390	86.11	3.315	84.20	1	INK	
10022753-133	33	3.200	81.28	3.490	88.65	3.415	86.74	1	INK	
10022753-134	34	3.300	83.82	3.590	91.19	3.515	89.28	1	INK	

mat'l. code

surface ISO 1302 ✓ tolerance ISO 406 ISO 1101 projection

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

INCH/MM

scale 1:1

ltr	ecn	nodr	date
F			

dr	T. BRUNGARD	4/17/03
engr	H. SUNDY	4/17/03
chr	H. SUNDY	4/17/03
appd	H. SUNDY	4/17/03

product family: CLINCHER

title: LATCHING CLINCHER™ RECEPTACLE ASSEMBLY

dwg no: 10022753 sheet 5 of 6 size: A3

type: Product Customer Drawing

sheet index | revision sheet

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form: A3

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

PRODUCT NO. NOTE 7	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	
10022753-139	6	0.500	12.70	0.790	20.07	0.715	18.16	2	INK	
10022753-140	7	0.600	15.24	0.890	22.61	0.815	20.70	2	INK	
10022753-141	8	0.700	17.78	0.990	25.15	0.915	23.24	2	INK	
10022753-142	9	0.800	20.32	1.090	27.69	1.015	25.78	2	INK	
10022753-143	10	0.900	22.86	1.190	30.23	1.115	28.32	2	INK	
10022753-144	11	1.000	25.40	1.290	32.77	1.215	30.86	2	INK	
10022753-145	12	1.100	27.94	1.390	35.31	1.315	33.40	2	INK	
10022753-146	13	1.200	30.48	1.490	37.85	1.415	35.94	2	INK	
10022753-147	14	1.300	33.02	1.590	40.39	1.515	38.48	2	INK	
10022753-148	15	1.400	35.56	1.690	42.93	1.615	41.02	2	INK	
10022753-149	16	1.500	38.10	1.790	45.47	1.715	43.56	2	INK	
10022753-150	17	1.600	40.64	1.890	48.01	1.815	46.10	2	INK	
10022753-151	18	1.700	43.18	1.990	50.55	1.915	48.64	2	INK	
10022753-152	19	1.800	45.72	2.090	53.09	2.015	51.18	2	INK	
10022753-153	20	1.900	48.26	2.190	55.63	2.115	53.72	2	INK	
10022753-154	21	2.000	50.80	2.290	58.17	2.215	56.26	2	INK	
10022753-155	22	2.100	53.34	2.390	60.71	2.315	58.80	2	INK	
10022753-156	23	2.200	55.88	2.490	63.25	2.415	61.34	2	INK	
10022753-157	24	2.300	58.42	2.590	65.79	2.515	63.88	2	INK	
10022753-158	25	2.400	60.96	2.690	68.33	2.615	66.42	2	INK	
10022753-159	26	2.500	63.50	2.790	70.87	2.715	68.96	2	INK	
10022753-160	27	2.600	66.04	2.890	73.41	2.815	71.50	2	INK	
10022753-161	28	2.700	68.58	2.990	75.95	2.915	74.04	2	INK	
10022753-162	29	2.800	71.12	3.090	78.49	3.015	76.58	2	INK	
10022753-163	30	2.900	73.66	3.190	81.03	3.115	79.12	2	INK	
10022753-164	31	3.000	76.20	3.290	83.57	3.215	81.66	2	INK	
10022753-165	32	3.100	78.74	3.390	86.11	3.315	84.20	2	INK	
10022753-166	33	3.200	81.28	3.490	88.65	3.415	86.74	2	INK	
10022753-167	34	3.300	83.82	3.590	91.19	3.515	89.28	2	INK	

mat'l. code

surface ISO 1302 √ tolerance ISO 406 ISO 1101 projection

product family: CLINCHER

ltr	ecn	nodr	date
F			

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

INCH/MM

scale 1:1

title: LATCHING CLINCHER™ RECEPTACLE ASSEMBLY

dr	T. BRUNGARD	4/17/03
engr	H. SUNDY	4/17/03
chr	H. SUNDY	4/17/03
appd	H. SUNDY	4/17/03

dwg no 10022753 sheet 6 of 6 size A3

type Product Customer Drawing

sheet index | revision sheet

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form: A3

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