

No OF POSITIONS
 -010, -011, -013, -020, -025, -030, -037
 -040, -049, -050, **053, -060, -070,
 -075,
 (PER ROW)
 **053 MATES WITH ERCDA
 LEAD STYLE
 -01: 1.58 [.062] BOARD
 -03: 2.36 [.093] BOARD
 (**=NOT RELEASED FOR PRODUCTION)

OPTION
 -TR : TAPE & REEL
 (STANDARD PACKAGING)
 (SEE NOTE 4)
 OPTION
 -L : LATCHES (SEE FIG. 2)
 -EGP: EXTENDED GUIDE POSTS
 (NOT AVAILABLE WITH -L OPTION)
 -RA: RIGHT ANGLE
 ROW SPECIFICATION
 -D: DOUBLE (USE ERF8-XXX-01-D-RA)
 PLATING SPECIFICATION
 -S: SELECTIVE GOLD
 (USE C-231-02-S, C-231-03-S)
 -L :LIGHT SELECTIVE GOLD, MATTE TIN TAIL
 (USE C-231-02-L, C-231-03-L)

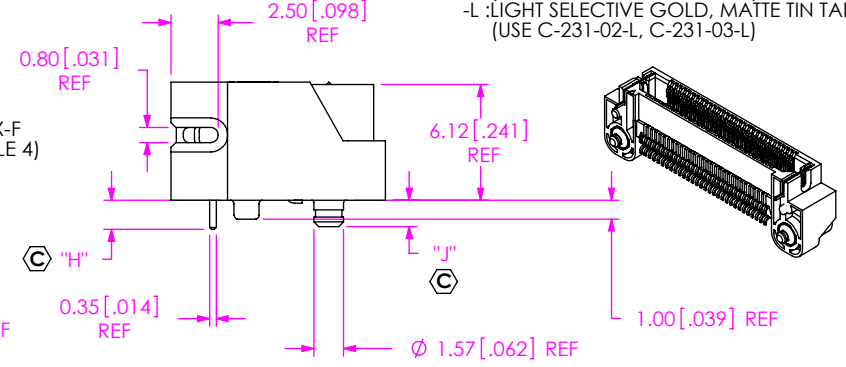


FIG 1
 ERF8-030-01-S-D-RA SHOWN

| LEAD STYLE | "H" | "J" |
|------------|-------------|-------------|
| -01 | 1.55 [.061] | 1.40 [.055] |
| -03 | 2.34 [.092] | 2.19 [.086] |

- NOTES:
- ⊕ REPRESENTS A CRITICAL DIMENSION.
 - BURR ALLOWANCE: 0.02[.001] MAX.
 - MINIMUM PUSHOUT/PULLOUT FORCE: SIGNAL: 2.22 N[.5 LB.], LATCH AND COUNTERWEIGHT: 4.45 N [1.0 LB.]
 - FOR QUANTITIES UP TO 49 PIECES, NO LEADER, TRAILER, OR EIA-481-D REEL WILL BE SUPPLIED. FOR QUANTITIES FROM 50-124 PIECES, NO LEADER OR TRAILER WILL BE SUPPLIED.
 - MEASURE AT BENDS.
 - MEASURED ON PINS ONLY, INSULATOR NOT INCLUDED IN MEASUREMENT.
 - ALL DIMENSIONS SYMMETRIC ABOUT \varnothing EXCEPT AS SHOWN.
 - DELETED
 - BOTH NON AND -EGP OPTION PARTS ARE IDENTICAL, THUS INTERCHANGEABLE

| POSITION | "A" | "B" | "C" | "D" | "E" | "F" | "K" |
|----------|---------------|-----------------|---------------|---------------|---------------|---------------|--------------|
| -010 | 21.00 [.827] | 7.200 [.2835] | 12.54 [.494] | 13.80 [.543] | 15.25 [.600] | 15.25 [.600] | 15.5 [.610] |
| -011 | 21.80 [.858] | 8.000 [.3149] | 13.34 [.525] | 14.60 [.575] | 16.05 [.632] | 16.05 [.632] | 16.3 [.642] |
| -013 | 23.40 [.921] | 9.600 [.3780] | 14.94 [.588] | 16.20 [.638] | 17.65 [.695] | 17.65 [.695] | 17.9 [.705] |
| -020 | 29.00 [1.142] | 15.200 [.5984] | 20.54 [.809] | 21.80 [.858] | 23.25 [.915] | 23.25 [.915] | 23.5 [.925] |
| -025 | 33.00 [1.299] | 19.200 [.7559] | 24.54 [.966] | 25.80 [1.016] | 27.25 [.973] | 27.25 [.973] | 27.5 [1.083] |
| -030 | 37.00 [1.457] | 23.200 [.9134] | 28.54 [1.124] | 29.80 [1.173] | 31.25 [1.230] | 31.25 [1.230] | 31.5 [1.240] |
| -037 | 42.60 [1.677] | 28.800 [1.1339] | 34.14 [1.344] | 35.50 [1.398] | 36.85 [1.430] | 36.85 [1.430] | 37.1 [1.440] |
| -040 | 45.00 [1.772] | 31.200 [1.2283] | 36.54 [1.439] | 37.80 [1.488] | 39.25 [1.545] | 39.25 [1.545] | 39.5 [1.555] |
| -49 | 52.20 [2.055] | 38.400 [1.5118] | 43.74 [1.722] | 45.00 [1.772] | 46.45 [1.829] | 46.45 [1.829] | 46.7 [1.839] |
| -050 | 53.00 [2.087] | 39.200 [1.5433] | 44.54 [1.754] | 45.80 [1.803] | 47.25 [1.880] | 47.25 [1.880] | 47.5 [1.870] |
| **053 | 55.40 [2.181] | 41.600 [1.6378] | 46.94 [1.848] | 48.20 [1.898] | 49.65 [1.965] | 49.65 [1.965] | 49.9 [1.965] |
| -060 | 61.00 [2.402] | 47.200 [1.8583] | 52.54 [2.069] | 53.80 [2.118] | 55.25 [2.175] | 55.25 [2.175] | 55.5 [2.185] |
| -070 | 69.00 [2.717] | 55.200 [2.1732] | 60.54 [2.383] | 61.80 [2.433] | 63.25 [2.490] | 63.25 [2.490] | 63.5 [2.500] |
| -075 | 73.00 [2.874] | 59.200 [2.3307] | 64.54 [2.541] | 65.80 [2.591] | 67.25 [2.648] | 67.25 [2.648] | 67.5 [2.657] |

(** = NOT RELEASED FOR PRODUCTION)

UNLESS OTHERWISE SPECIFIED,
 DIMENSIONS ARE IN
 MILLIMETERS [INCHES].
 TOLERANCES ARE:
 DECIMALS ANGLES
 .X: ±0.3 [.01] 2°
 .XX: ±0.13 [.005]
 .XXX: ±0.051 [.0020]

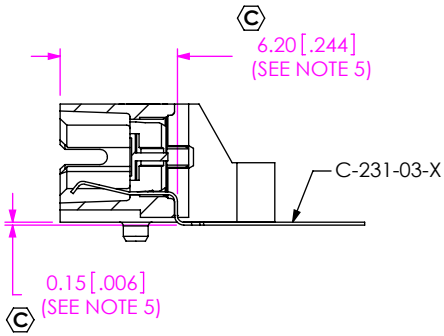
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 e-Mail: info@SAMTEC.com code: 55322

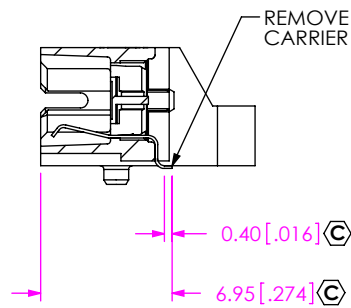
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
 INSULATOR: LCP, COLOR BLACK
 CONTACTS: BeCu
 COUNTERWEIGHT: BRASS
 LATCHES: BeCu

DESCRIPTION:
 0.8mm DUAL ROW RIGHT ANGLE SOCKET ASSEMBLY
 DWG. NO.
ERF8-XXX-XX-X-D-RA-XXX-TR

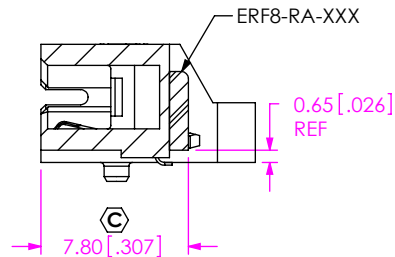
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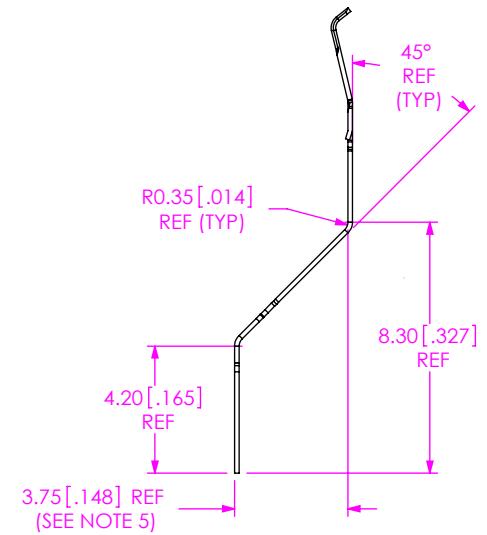
IN-PROCESS 3
(FILL BOTTOM ROW)



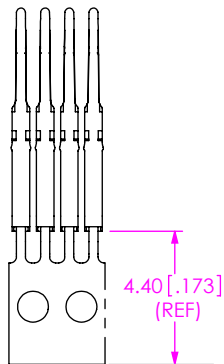
IN-PROCESS 4
(CUTOFF OF CARRIER)



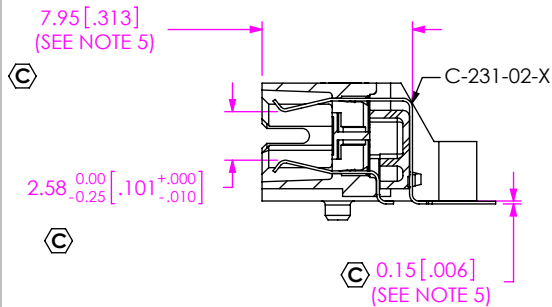
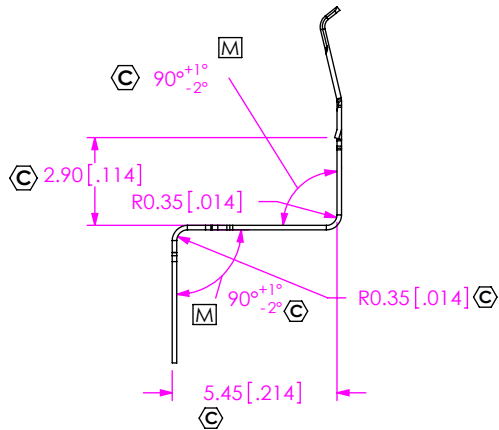
IN-PROCESS 5
(FILL ERF8-RA-XXX)



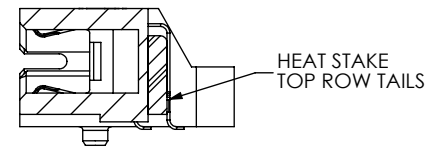
IN-PROCESS 6
(PRE-FORM CONTACT C-231-02-X)



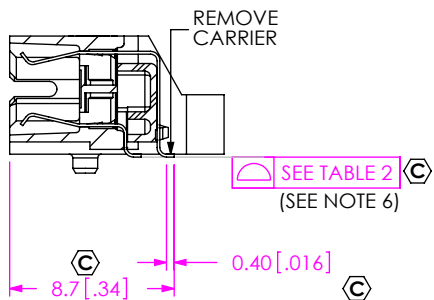
IN-PROCESS 7
(FORM CONTACT C-231-02-X)



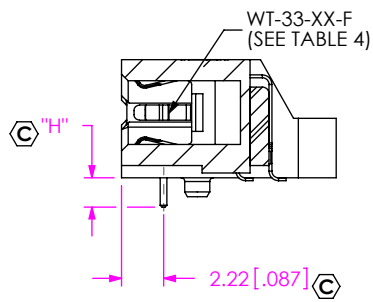
IN-PROCESS 8
(FILL TOP ROW)



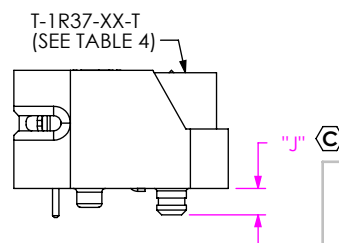
IN-PROCESS 9
(HEAT STAKE TOP ROW CONTACTS)



IN-PROCESS 10
(CUTOFF OF CARRIER)



IN-PROCESS 11
(FILL WT-33-XX-F)



IN-PROCESS 12
(FILL T-1R37-XX-T)

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e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
0.8mm DUAL ROW RIGHT ANGLE SOCKET ASSEMBLY

DWG. NO.
ERF8-XXX-XX-X-D-RA-XXX-TR


BY: D BOYCE 08-10-2010 SHEET 2 OF 4

| TABLE 4 | | | | | |
|-----------------------------|-------|------------------|------------|---------------|------------|
| OPTION | STYLE | BODY CALLOUT | CONTACTS | COUNTERWEIGHT | WELD TABS |
| NONE / -EGP (SEE NOTE 9) | -01 | ERF8-XXX-01-D-RA | C-231-02-X | T-1R37-01-X | WT-33-05-X |
| | | | C-231-03-X | | WT-33-06-X |
| | -03 | ERF8-XXX-01-D-RA | C-231-02-X | T-1R37-02-X | WT-33-07-X |
| | | | C-231-03-X | | WT-33-08-X |
| -L | -01 | ERF8-XXX-01-D-RA | C-231-02-X | T-1R37-01-X | WT-33-01-X |
| | | | C-231-03-X | | WT-33-02-X |
| | -03 | ERF8-XXX-01-D-RA | C-231-02-X | T-1R37-02-X | WT-33-03-X |
| | | | C-231-03-X | | WT-33-04-X |

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DWG. NO.
ERF8-XXX-XX-X-D-RA-XXX-TR

BY: D BOYCE 08-10-2010 SHEET 3 OF 4

| TABLE 3 | | |
|----------|-------|---------|
| POSITION | "G" | |
| -010 | 11.14 | [.439] |
| -011 | 11.94 | [.470] |
| -013 | 13.54 | [.533] |
| -020 | 19.14 | [.754] |
| -025 | 23.14 | [.911] |
| -030 | 27.14 | [1.069] |
| -037 | 32.74 | [1.289] |
| -040 | 35.14 | [1.383] |
| -49 | 42.34 | [1.667] |
| -050 | 43.14 | [1.698] |
| **053 | 45.54 | [1.793] |
| -060 | 51.14 | [2.013] |
| -070 | 59.14 | [2.328] |
| -075 | 63.14 | [2.486] |

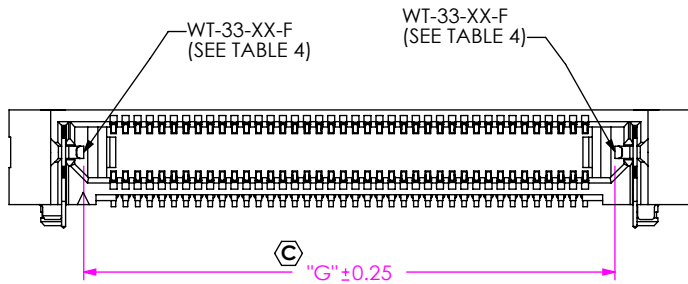
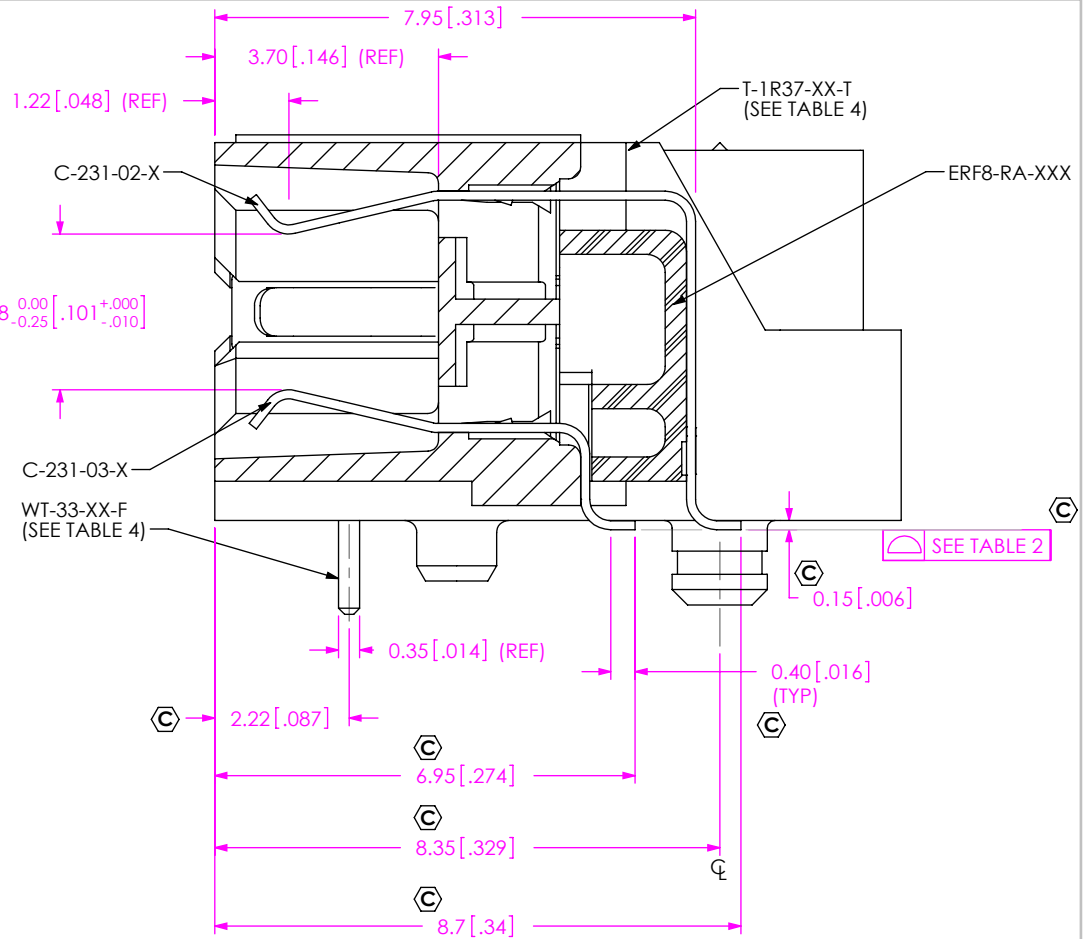
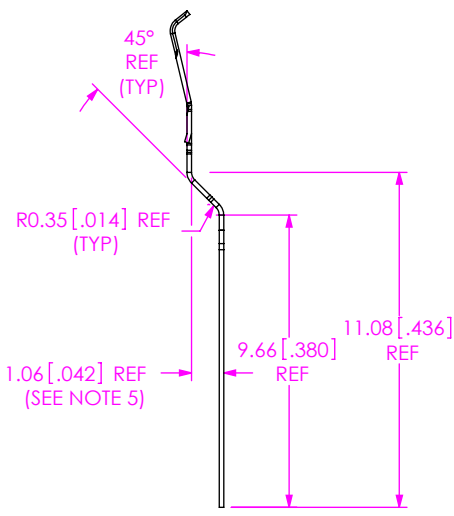


FIG 2
ERF8-030-01-X-D-RA-L SHOWN
SAME AS ERF8-030-01-X-D-RA EXCEPT AS SHOWN

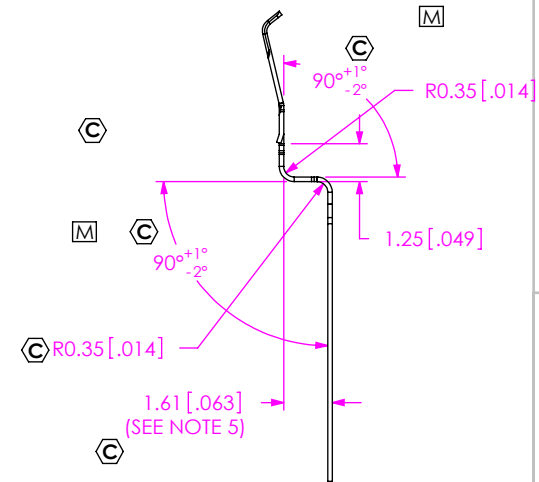
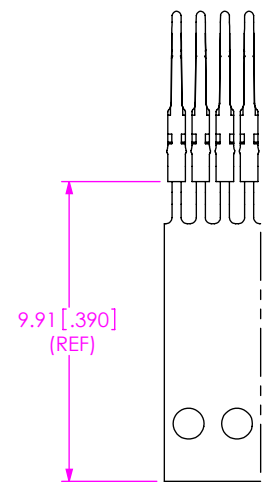
2.58^{0.00}_{-0.25} [.101^{+0.000}_{-0.010}]



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IN-PROCESS 1
(PRE-FORM CONTACT C-231-03-X)



IN-PROCESS 2
(FORM CONTACT C-231-03-X)

SECTION "A"- "A"
SCALE 8 : 1

| TABLE 2 | |
|-----------------|-------------|
| No OF POSITIONS | COPLANARITY |
| -010 THRU **053 | 0.10 [.004] |
| -060 THRU -075 | 0.15 [.006] |

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ERF8-XXX-XX-X-D-RA-XXX-TR

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