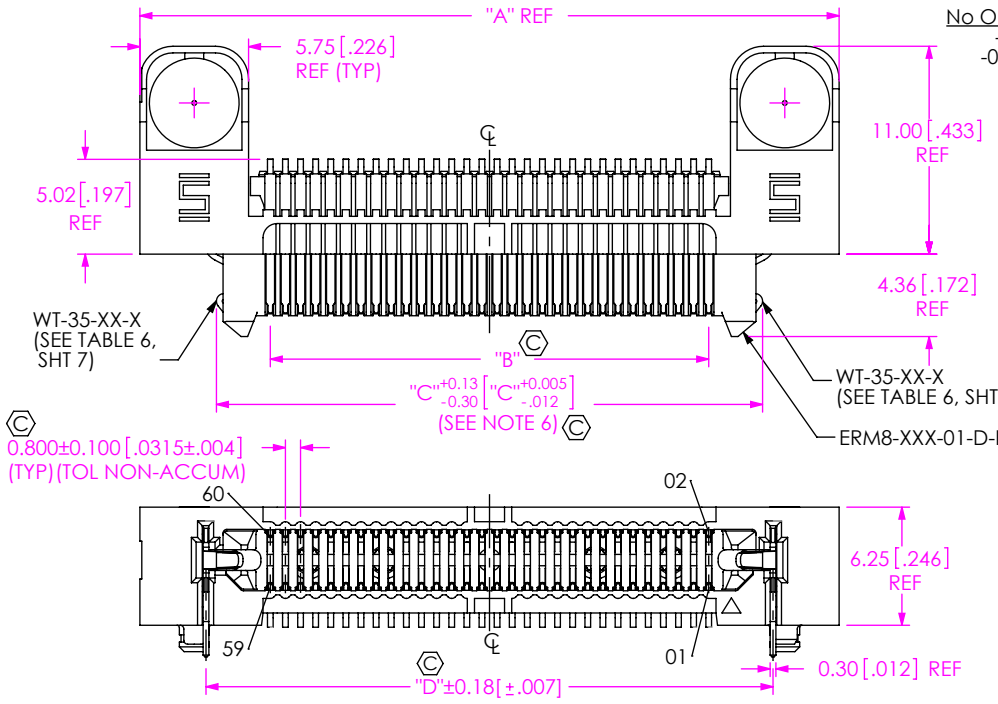
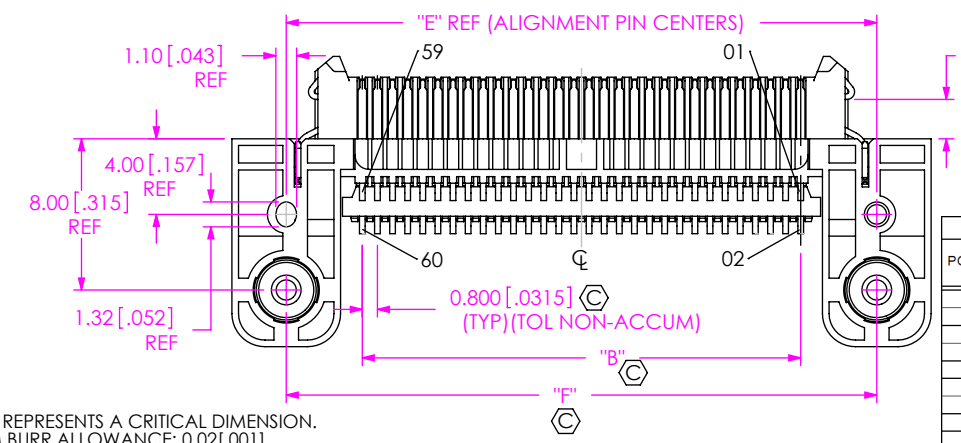
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DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]

ERM8-XXX-XX-X-D-RA-XX-XR

DO NOT SCALE FROM THIS PRINT





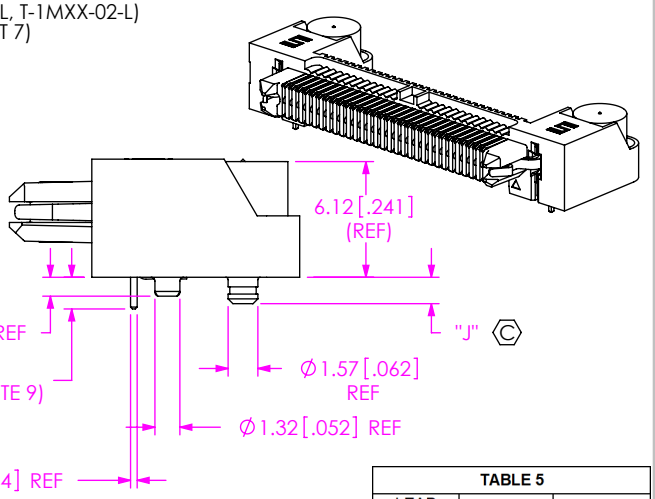


FIG 1
ERM8-030-01-S-D-RA-L

No OF POSITIONS (PER ROW)
-010,-011,-013, -020, -025
-030, -037, -040, -049, -050
-060, -070, -075

LEAD STYLE
-01: 1.58 [0.062] BOARD
-03: 2.36 [0.093] BOARD

PLATING SPECIFICATION
-S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1MXX-01-S, T-1MXX-02-S) (SEE TABLE 6, SHT 7)
-L: 10µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1MXX-01-L, T-1MXX-02-L) (SEE TABLE 6, SHT 7)

ROW SPECIFICATION
-D: DOUBLE (USE ERM8-XXX-01-D-RA)

-RA: RIGHT ANGLE

OPTION
-K: P AD
-L: LATCHES
-DS: DIFFERENTIAL PAIR (HOT SWAP) (SEE FIG 2 SHT 7) AVAILABLE ONLY WITH -013, -025, -037 & -049 POSITIONS

TAPE & REEL (SEE NOTE 15 & 16)
-TR: TAPE & REEL
-FR: FULL REEL QTY TAPE & REEL

TABLE 5

LEAD STYLE	"H"	"J"
-01	1.68 [.066]	1.40 [.055]
-03	2.46 [.097]	2.19 [.086]

TABLE 1

POSITION	"A"	"B"	"C"	"D" "-L"	"D" "NON-LATCHING"	"E"	"F"	"K"	"L"
-010	21.00 [.827]	7.20 [.283]	12.90 [.508]	14.00 [.551]	14.05 [.553]	15.25 [.600]	15.25 [.600]	8.00 [.315]	8.00 [.315]
-011	21.80 [.858]	8.00 [.315]	13.70 [.539]	14.80 [.583]	14.85 [.585]	16.05 [.632]	16.05 [.632]	8.80 [.3460]	8.80 [.3460]
-013	23.40 [.921]	9.60 [.378]	15.30 [.602]	16.40 [.646]	16.45 [.648]	17.65 [.695]	17.65 [.695]	10.40 [.409]	10.40 [.409]
-020	29.00 [1.142]	15.20 [.598]	20.90 [.823]	22.00 [.866]	22.05 [.868]	23.25 [.915]	23.25 [.915]	16.00 [.63]	16.00 [.63]
-025	33.00 [1.299]	19.20 [.756]	24.90 [.980]	26.00 [1.024]	26.05 [1.026]	27.25 [1.073]	27.25 [1.073]	20.00 [.787]	20.00 [.787]
-030	37.00 [1.457]	23.20 [.913]	28.90 [1.138]	30.00 [1.181]	30.05 [1.183]	31.25 [1.230]	31.25 [1.230]	24.00 [.945]	24.00 [.945]
-037	42.60 [1.677]	28.80 [1.134]	34.50 [1.358]	35.60 [1.402]	35.65 [1.404]	36.85 [1.451]	36.85 [1.451]	29.60 [1.165]	29.60 [1.165]
-040	45.00 [1.772]	31.20 [1.228]	36.90 [1.453]	38.00 [1.496]	38.05 [1.498]	39.25 [1.545]	39.25 [1.545]	32.00 [1.26]	32.00 [1.26]
-049	52.20 [2.055]	38.40 [1.512]	44.10 [1.736]	45.20 [1.780]	45.25 [1.781]	46.45 [1.829]	46.45 [1.829]	39.20 [1.543]	39.20 [1.543]
-050	53.00 [2.087]	39.20 [1.543]	44.90 [1.768]	46.00 [1.811]	46.05 [1.813]	47.25 [1.860]	47.25 [1.860]	40.00 [1.575]	40.00 [1.575]
-060	61.00 [2.402]	47.20 [1.858]	52.90 [2.083]	54.00 [2.126]	54.05 [2.128]	55.25 [2.175]	55.25 [2.175]	48.00 [1.89]	48.00 [1.89]
-070	69.00 [2.717]	55.20 [2.173]	60.90 [2.398]	62.00 [2.441]	62.05 [2.443]	63.25 [2.490]	63.25 [2.490]	56.00 [2.205]	56.00 [2.205]
-075	73.00 [2.874]	59.20 [2.331]	64.90 [2.555]	66.00 [2.598]	66.05 [2.600]	67.25 [2.648]	67.25 [2.648]	60.00 [2.362]	60.00 [2.362]

NOTES:

1. REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: 0.02[.001]
3. MINIMUM PUSHOUT /PULLOUT FORCE: SIGNAL: 2.22 N [.5 LB], LATCH AND COUNTERWEIGHT: 4.45 N [1 LB].
4. NOTE DELETED.
5. MEASURE AT BEND TANGENCY.
6. APPLIES TO -L OPTION ONLY.
7. MAXIMUM CUT BURR ON CUT TAILS IS 0.10[.004].
8. DIMENSIONS MUST BE MEASURED BOTH ENDS OF COMB OR CONNECTOR.
9. USE -Z- DATUM ZONE FOR MEASUREMENT ONLY.
10. SEE PTL SYSTEM FOR REQUIRED INSPECTION FIXTURE TO CHECK TAIL CRITICALS.
11. WHEN USING AUTOMATED FORMER, COMBS DO NOT NEED TO BE MEASURED AT BOTH ENDS PER NOTE 10. ALL CRITICAL FORM DIMENSIONS CAN BE CHECKED BY VERTEX. FORM 1 CRITICAL DIMENSIONS ARE TO BE CHECKED AT FORM 2 PROCESS STEPS.
12. USE -E- DATUM ZONE FOR MEASUREMENT ONLY.
13. USE -D- DATUM ZONE FOR MEASUREMENT ONLY.
14. COPLANARITY MEASURED ON PINS ONLY, INSULATOR NOT INCLUDED IN MEASUREMENT.
15. -TR/-FR OPTION ORDERS INVOLVING REELS AS WELL AS SOME TRAY PACKAGED ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
16. ATTACH LABEL TO EACH REEL.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES].
TOLERANCES ARE:
DECIMALS ANGLES
X.X: ±0.3 [.01] 2°
X.XX: ±0.13 [.005]
X.XXX: ±0.050 [.0020]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1

INSULATOR: LCP UL94V-0, COLOR BLACK
CONTACTS: PHOS BRONZE
COUNTERWEIGHT: BRASS
LATCHES: BeCu

DESCRIPTION:
.80mm DUAL ROW RIGHT ANGLE SOCKET ASSEMBLY

DWG. NO.
ERM8-XXX-XX-X-D-RA-XX-XR

BY: C. PIERCE 8/17/2007 SHEET 1 OF 7

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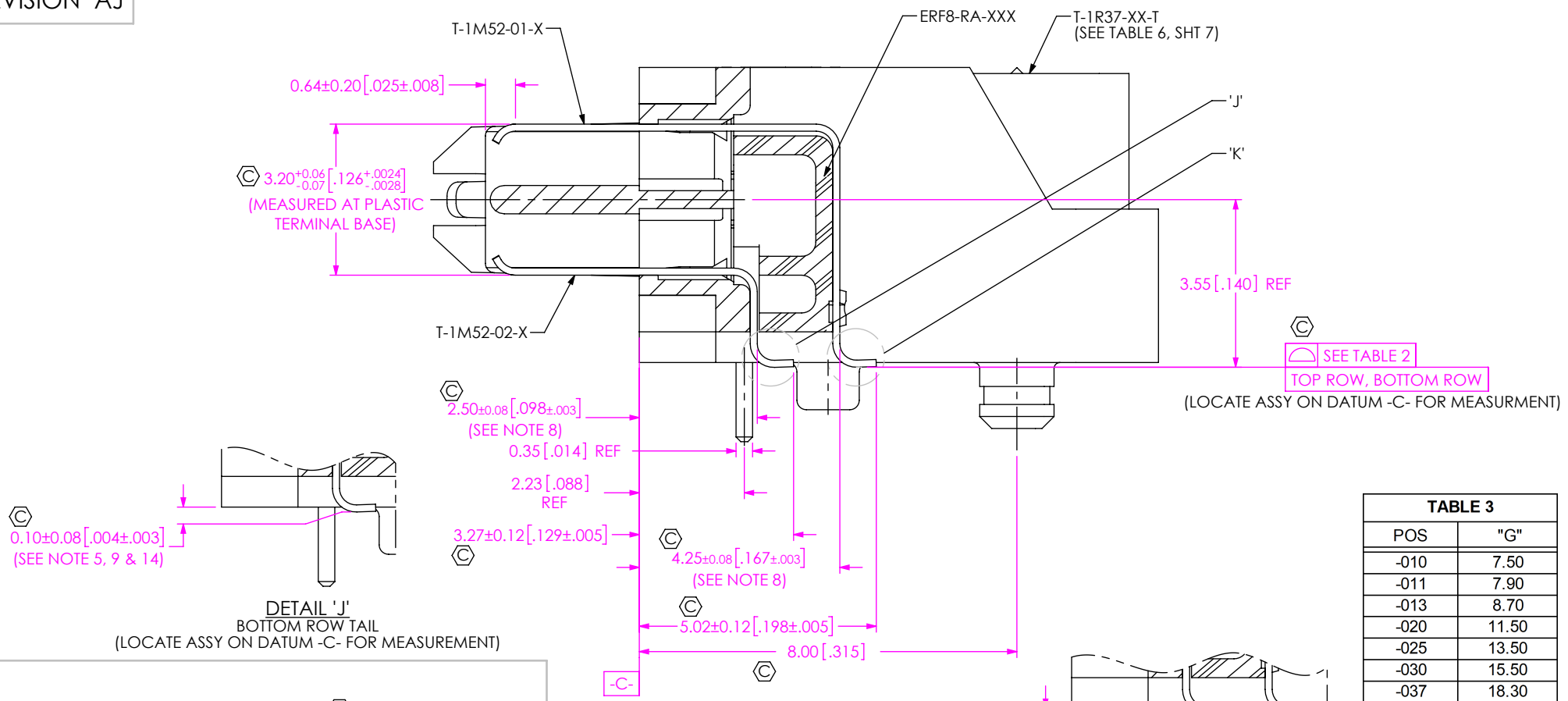
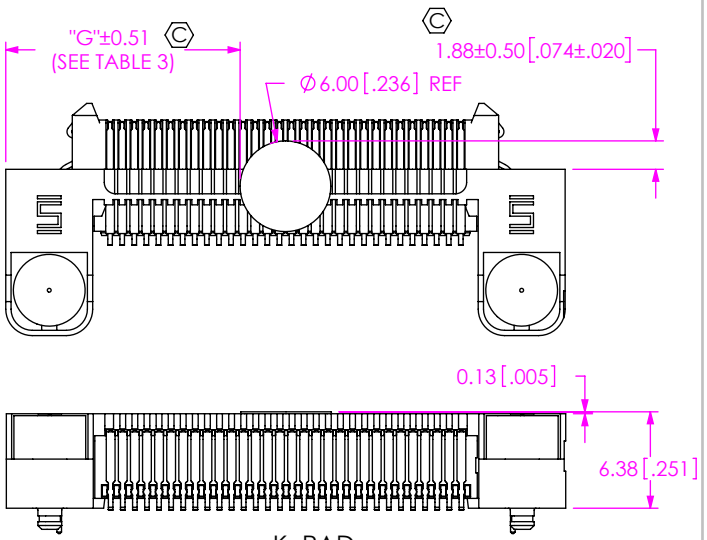


TABLE 3	
POS	"G"
-010	7.50
-011	7.90
-013	8.70
-020	11.50
-025	13.50
-030	15.50
-037	18.30
-040	19.50
-049	23.10
-050	23.50
-060	27.50
-070	31.50
-075	33.50



-K: PAD
ERM8-030-01-X-D-RA-L-K SHOWN
(USE K-DOT-.236-.343-.005)

TABLE 2			
No OF POSITIONS	BOTTOM ROW STRAIGHTNESS	TOP ROW STRAIGHTNESS	COPLANARITY
-010 THRU -050	0.08 [.003]	0.08 [.003]	0.10 [.004]
-060 THRU -075	0.10 [.004]	0.10 [.004]	0.15 [.006]

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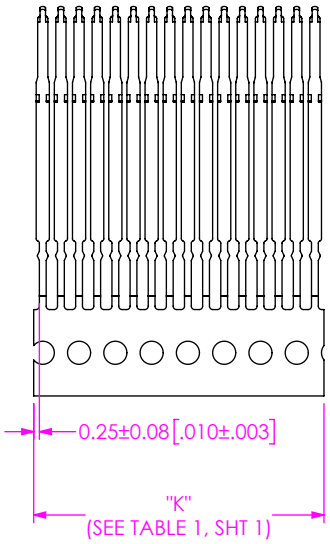
DESCRIPTION:
.80mm DUAL ROW RIGHT ANGLE SOCKET ASSEMBLY

DWG. NO.
ERM8-XXX-XX-X-D-RA-XX-XR

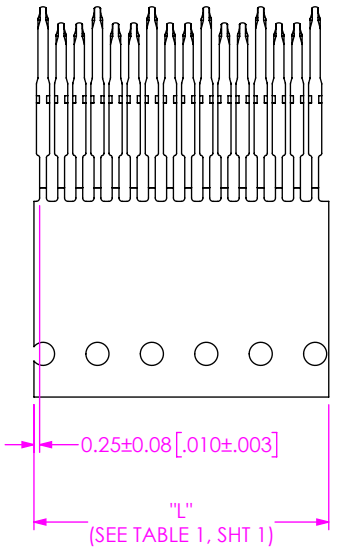
BY: C. PIERCE 8/17/2007 SHEET 2 OF 7

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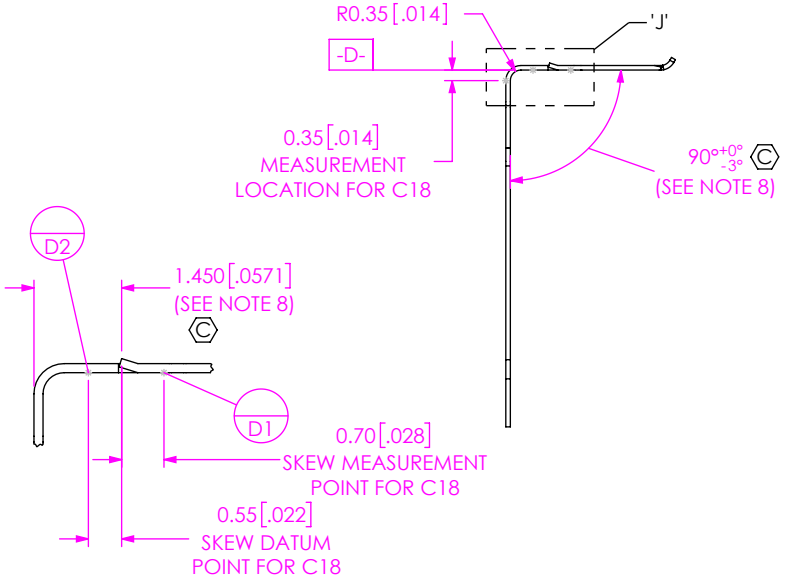
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T-1M52-XX-X
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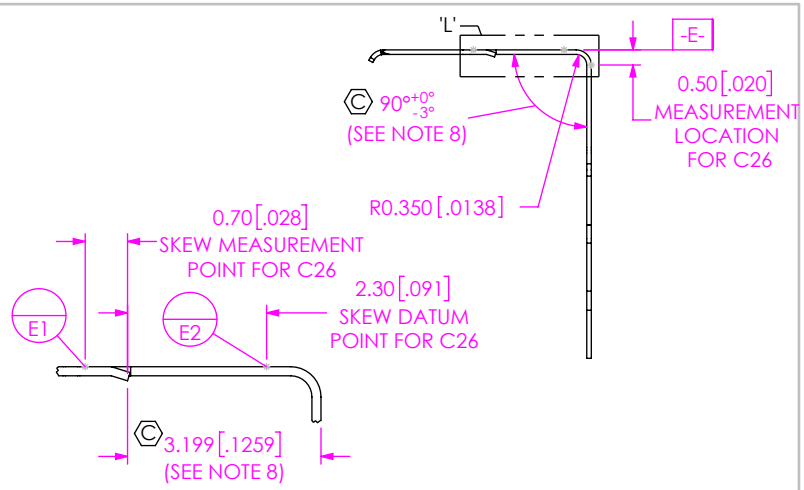


T-1M69-XX-X
IN-PROCESS VIEW



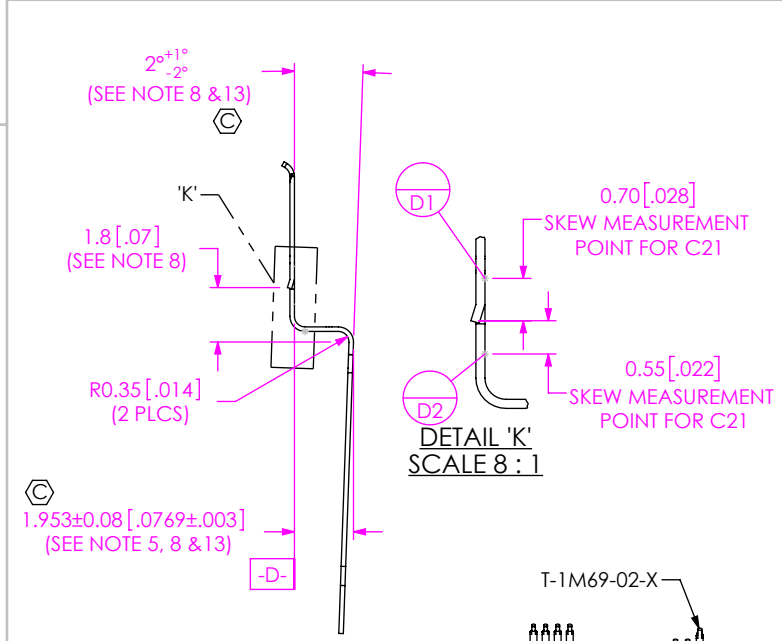
DETAIL 'J'
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IN-PROCESS 1
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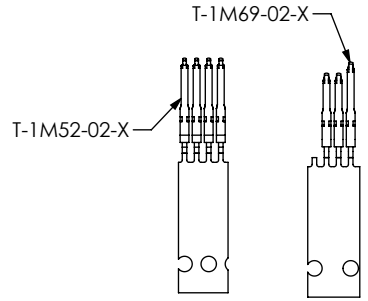


DETAIL 'L'
SCALE 8 : 1

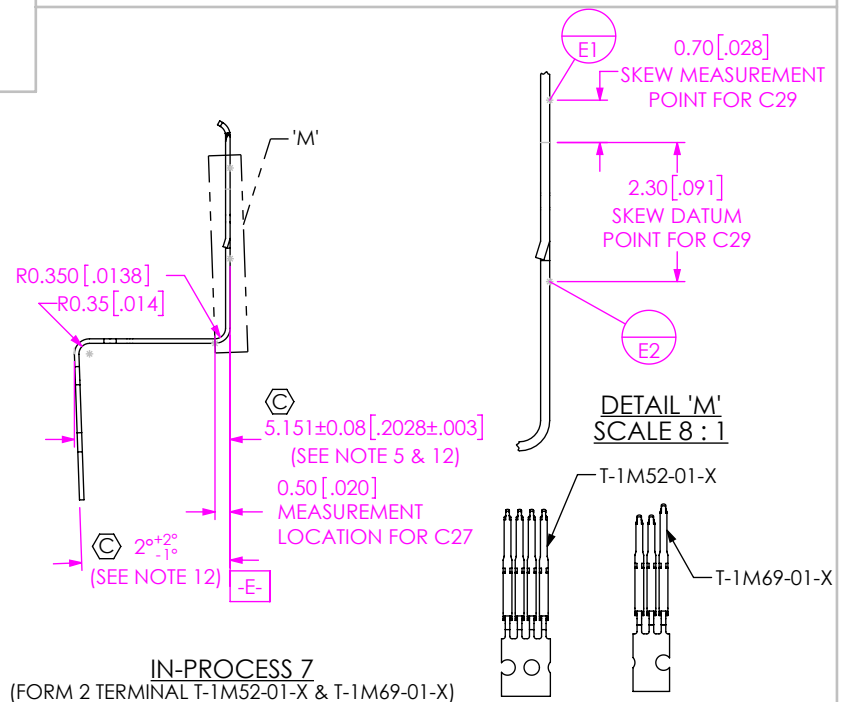
IN-PROCESS 6
(FORM 1 TERMINAL T-1M52-01-X & T-1M69-01-X)



DETAIL 'K'
SCALE 8 : 1



IN-PROCESS 2
(FORM 2 TERMINAL T-1M52-02-X & T-1M69-02-X)



DETAIL 'M'
SCALE 8 : 1

IN-PROCESS 7
(FORM 2 TERMINAL T-1M52-01-X & T-1M69-01-X)
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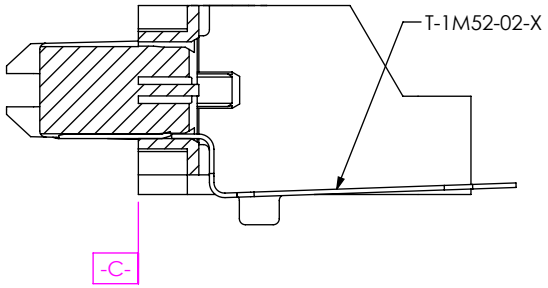
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DESCRIPTION:
.80mm DUAL ROW RIGHT ANGLE SOCKET ASSEMBLY

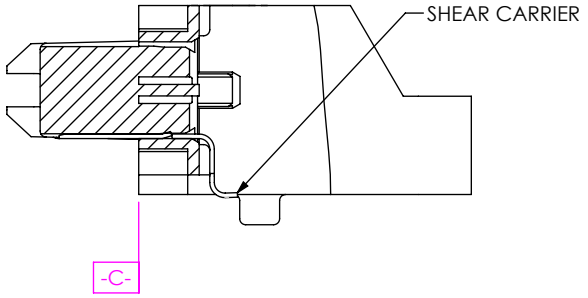
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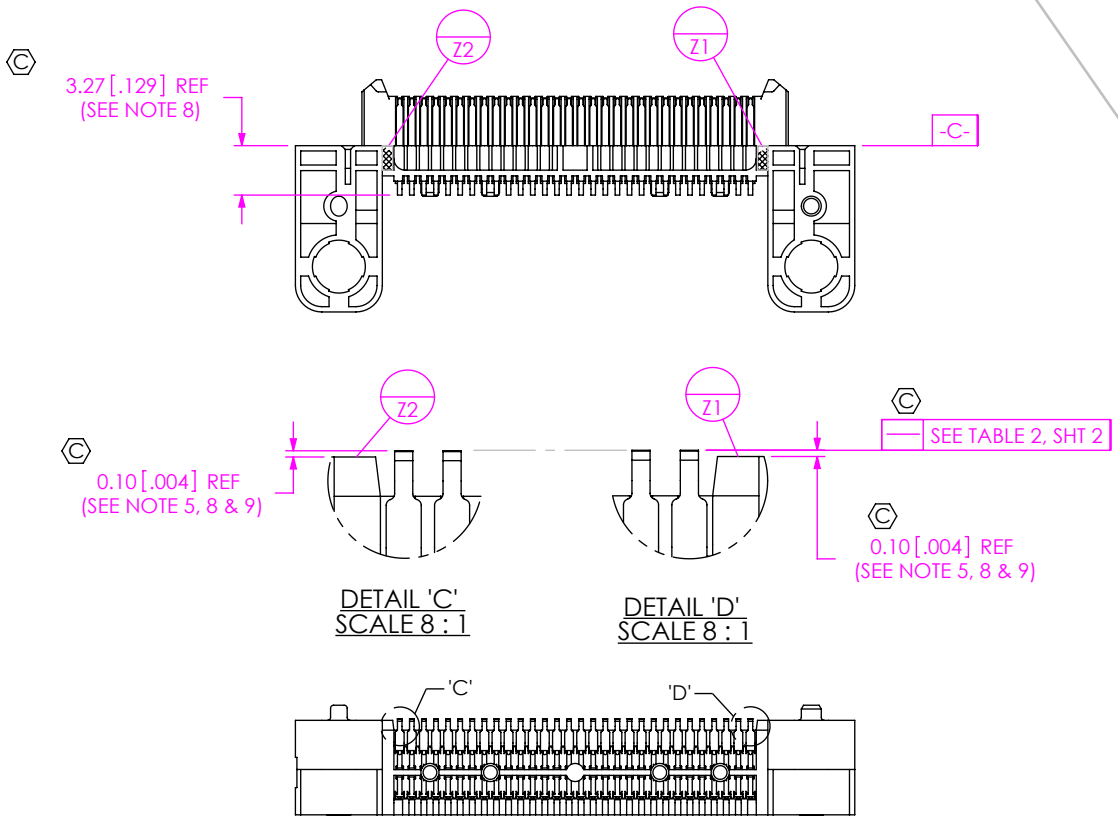


IN-PROCESS 3
(FILL BOTTOM ROW)
(SEE INSPECTION VIEW 1 FOR ASSEMBLY ORIENTION AND CPC'S)



IN-PROCESS 4
(CUT OFF CARRIER)
(SEE INSPECTION VIEW 1 FOR ASSEMBLY ORIENTION AND CPC'S)

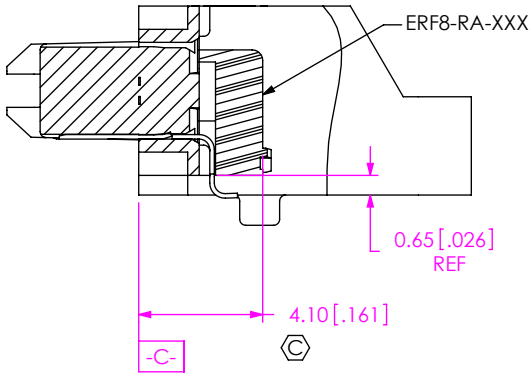
INSPECTION VIEW 1
(SEE NOTE 10)



DETAIL 'C'
SCALE 8 : 1

DETAIL 'D'
SCALE 8 : 1

INSPECTION FOR IN-PROCESS 3 & 4
(CARRIER NOT SHOWN FOR IN PROCESS 3 INSPECTIONS)



IN-PROCESS 5
FILL ERF8-RA-XXX

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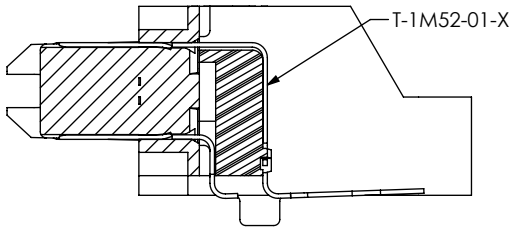
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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
.80mm DUAL ROW RIGHT ANGLE SOCKET ASSEMBLY

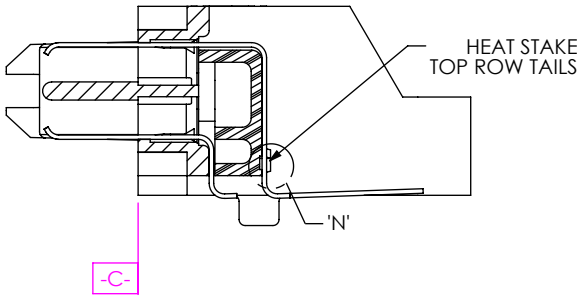
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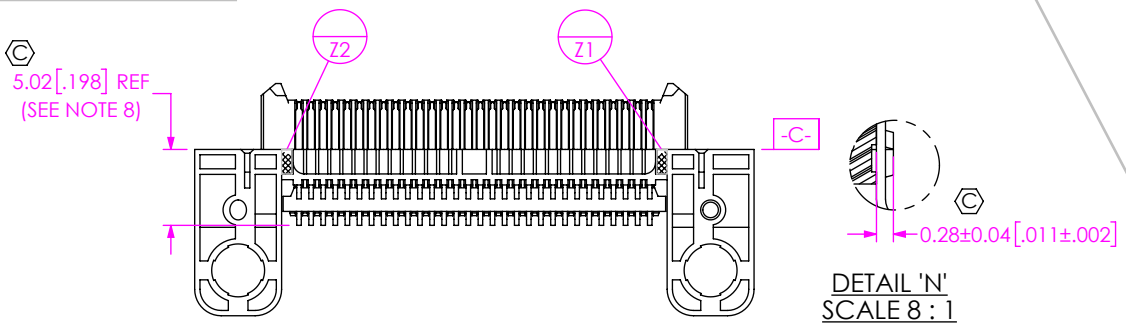


IN-PROCESS 8
(FILL TOP ROW)
(SEE INSPECTION VIEW 2 FOR ASSEMBLY ORIENTION AND CPC'S)

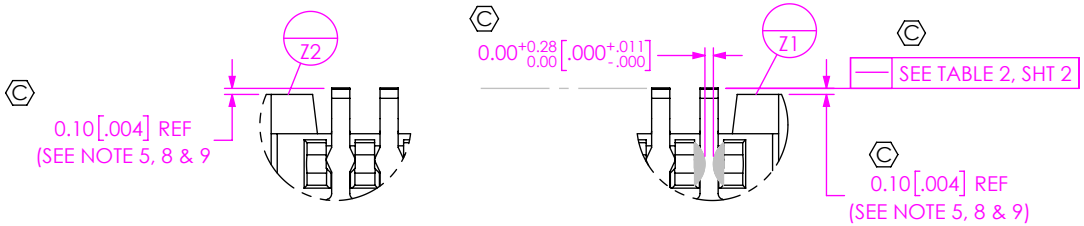


IN-PROCESS 9
(HEAT STAKE TOP ROW OF CONTACTS)
(SEE INSPECTION VIEW 2 FOR ASSEMBLY ORIENTION AND CPC'S)

INSPECTION VIEW 2
(SEE NOTE 10)

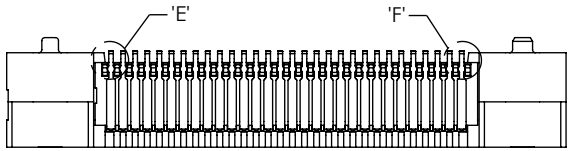


DETAIL 'N'
SCALE 8 : 1

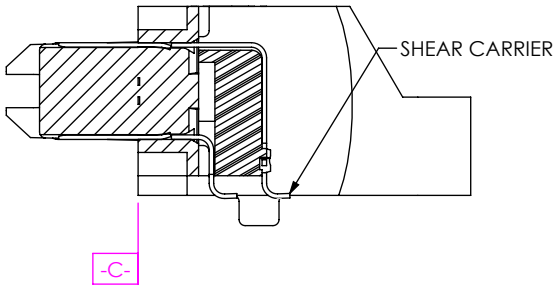


DETAIL 'E'
SCALE 8 : 1

DETAIL 'F'
SCALE 8 : 1



INSPECTION FOR IN-PROCESS 8, 9 & 10
(CARRIER NOT SHOWN FOR IN PROCESS 8 INSPECTIONS)



IN-PROCESS 10
(CUT OFF CARRIER)
(SEE INSPECTION VIEW 2 FOR ASSEMBLY ORIENTION AND CPC'S)

F:\DWG\SW\Exisprod\Assembly\Point8mm\ERM8-XXX-XX-X-D-RA-XX-XR-ASM.SLDDRW

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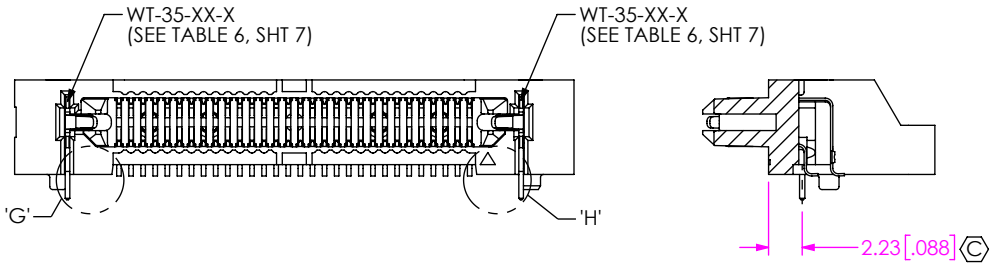
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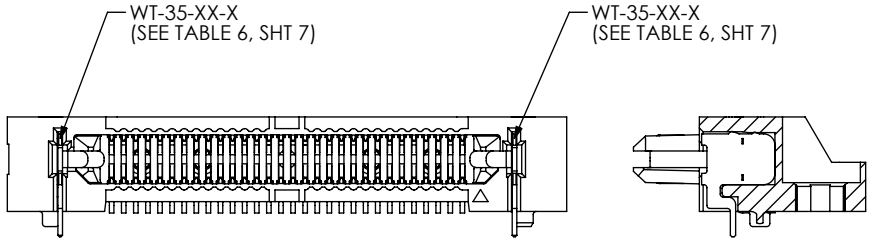
DESCRIPTION:
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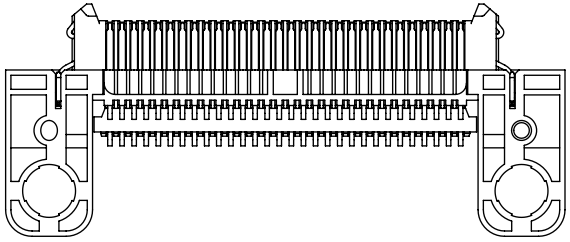
DWG. NO.
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BY: C. PIERCE 8/17/2007

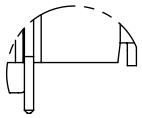
REVISION AJ



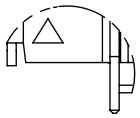




IN-PROCESS 11
FILL WT-35-XX-F
(ERM8-030-01-S-D-RA-L SHOWN)

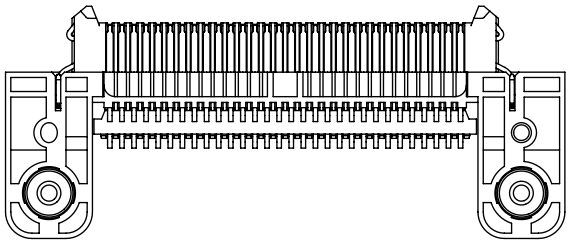


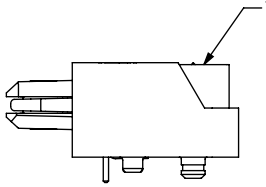
DETAIL 'G'
SCALE 4 : 1



DETAIL 'H'
SCALE 4 : 1

IN-PROCESS 11
FILL WT-35-XX-F
(ERM8-030-01-S-D-RA SHOWN)





IN-PROCESS 12
FILL T-1R37-XX-T
(SEE TABLE 6, SHT 7)

F:\DWG\SW\Exisprod\Assembly\Point8mm\ERM8-XXX-XX-X-D-RA-XX-XR-ASM.SLDDRW

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SHEET SCALE: 2:1

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
.80mm DUAL ROW RIGHT ANGLE SOCKET ASSEMBLY

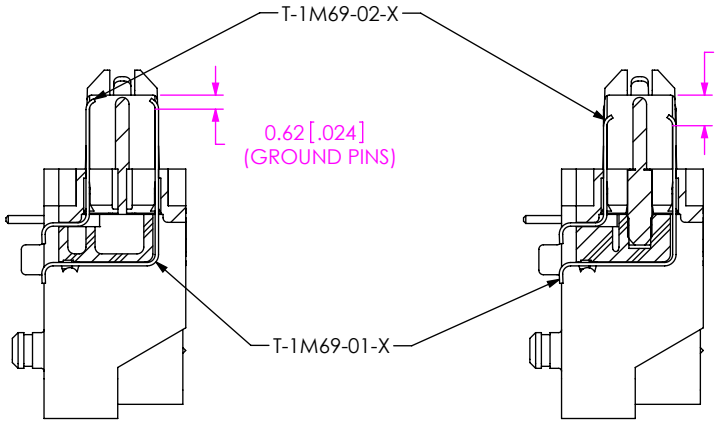
DWG. NO.
ERM8-XXX-XX-X-D-RA-XX-XR

BY: C. PIERCE 8/17/2007

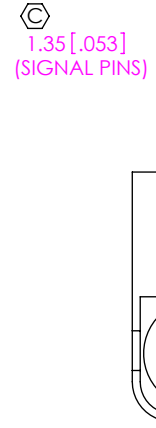
REVISION AJ

TABLE 6

OPTION	STYLE	BODY CALLOUT	SPACER BODY	TERMINALS	COUNTERWEIGHT	WELD TABS
NONE	-01	ERM8-XXX-01-D-RA	ERF8-RA-XX	T-1M52-01-X T-1M52-02-X	T-1R37-01-X	WT-35-03-T
	-03	ERM8-XXX-01-D-RA	ERF8-RA-XX	T-1M52-01-X T-1M52-02-X	T-1R37-02-X	WT-35-06-T
-L	-01	ERM8-XXX-01-D-RA	ERF8-RA-XX	T-1M52-01-X T-1M52-02-X	T-1R37-01-X	WT-35-01-F WT-35-02-F
	-03	ERM8-XXX-01-D-RA	ERF8-RA-XX	T-1M52-01-X T-1M52-02-X	T-1R37-02-X	WT-35-04-F WT-35-05-F
-DS	-01	ERM8-XXX-01-D-RA	ERF8-RA-XX	T-1M69-01-X T-1M69-02-X	T-1R37-01-X	WT-35-03-T
	-03	ERM8-XXX-01-D-RA	ERF8-RA-XX	T-1M69-01-X T-1M69-02-X	T-1R37-02-X	WT-35-06-T
-DS & -L	-01	ERM8-XXX-01-D-RA	ERF8-RA-XX	T-1M69-01-X T-1M69-02-X	T-1R37-01-X	WT-35-01-F WT-35-02-F
	-03	ERM8-XXX-01-D-RA	ERF8-RA-XX	T-1M69-01-X T-1M69-02-X	T-1R37-02-X	WT-35-04-F WT-35-05-F



SECTION "A"-"A"
SCALE 3 : 1



SECTION "B"-"B"
SCALE 3 : 1

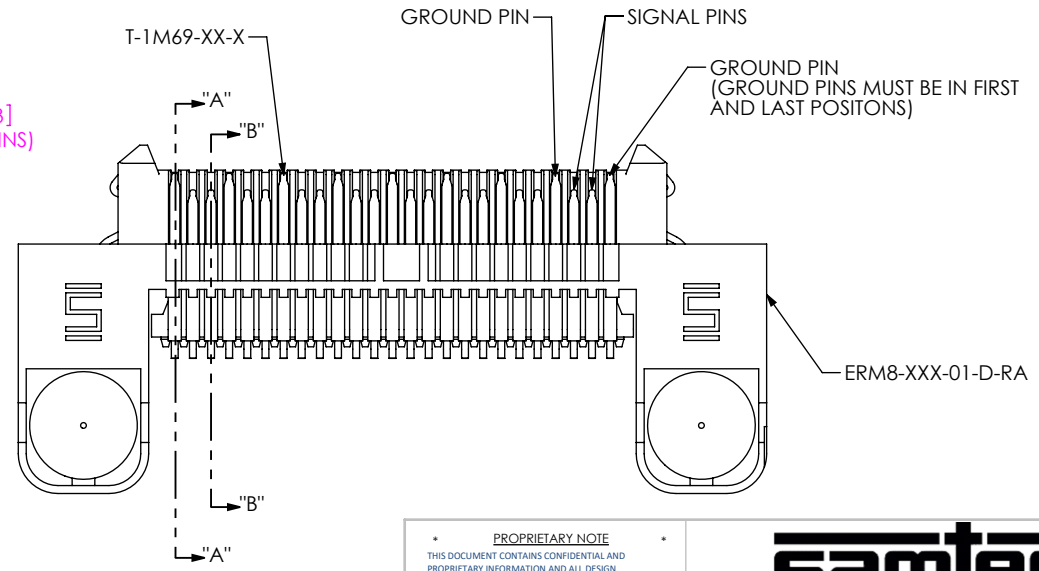


FIG 2
ERM8-025-01-X-D-RA-DS-L SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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ERM8-XXX-XX-X-D-RA-XX-XR

BY: C. PIERCE 8/17/2007

F:\DWG\SW\Exisprod\Assembly\Point8mm\ERM8-XXX-XX-X-D-RA-XX-XR-ASM.SLDDRW