

REVISION AF

DO NOT
SCALE FROM
THIS PRINT

DESIGNED & DIMENSIONED
IN MILLIMETERS [INCHES]

ERF8-XXX-XX.X-X-DV-XXXX-TR

No OF POSITIONS
(PER ROW)

-005, -010, -011, -013, -020, -023, -025,
-030, -035, -040, -049, -050, -060,
-070, -075, -100
[AF] (-100 POSITION AVAILABLE IN -05.0 ONLY
SEE NOTE 9)

LEAD STYLE
-05.0 = 5mm
-07.0 = 7mm
**-10.0 = 10mm

PLATING SPECIFICATION

-L: 10μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
(USE C-211-XX.X-L)
-S: 30μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN ON TAIL
(USE C-211-XX.X-S)

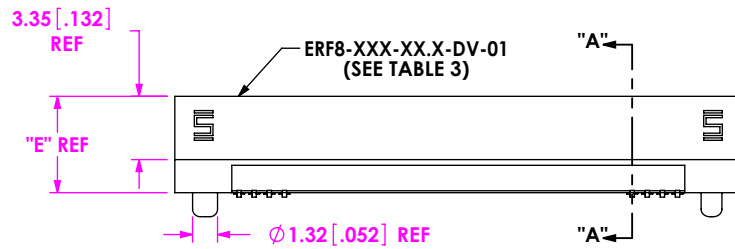
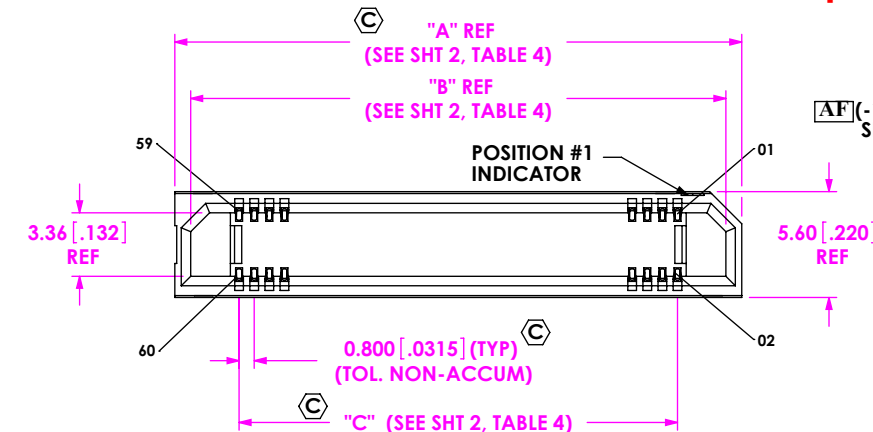
ROW SPECIFICATION
-DV: DOUBLE VERTICAL

** = NOT TOOLED
*** = NOT RELEASED FOR PRODUCTION

TAPE & REEL
(STANDARD PACKAGING)
(NOT AVAILABLE IN 100 POS)
(SEE NOTE 4 & 7)

OPTION

-K: POLYIMIDE FILM PAD (SEE FIG 2)
-L: LATCHES (-05.0 LEAD STYLE ONLY,
SEE NOTE 5, SEE FIG 5)
-EGP: EXTENDED GUIDE POST
(SEE NOTE 6, SEE FIG 3)
-EGPS: EXTENDED GUIDE POST SHIELD
(ONLY AVAILABLE IN ***-10.0
LEAD STYLE AND ONLY -10, -20,
-25 & -30 POSITIONS SEE FIG 6)
*** -L2: LATCH WITH LONG WELD TAB
(-05.0 & -07.0 LEAD STYLE ONLY,
SEE FIG 5)
*** -E: EXTENDED GUIDE POST WITH LONG
WELD TAB, SEE FIG 3)
*** -W: WELD TAB (-05.0 & -07.0 LEAD STYLE
ONLY, SEE FIG 10)



DETAIL 'D'
SCALE 4 : 1

TABLE 1

No. OF POS.	
-005, -010, -011, -013, -020, -025, -023 -030	0.10 [.004]
-035, -040, -049, -050, -060	0.12 [.005]
-070, -075, -100	0.15 [.006]

TABLE 2 REF

STACK HEIGHT

ERF8 LEAD STYLE	ERM8 LEAD STYLE				
	-02.0	-05.0	-08.0	-09.0	** -15.0
-05.0	7.0MM	10.0MM	13.0MM	14.0MM	20.0MM
-07.0	9.0MM	12.0MM	15.0MM	16.0MM	22.0MM
** -10.0	12.0MM	15.0MM	18.0MM	19.0MM	25.0MM

(** = NOT TOOLED)

NOTES:

1. © REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: 0.038[.0015] MAX.
3. MINIMUM PUSHOUT FORCE: 2.22 N [.5 LB.]
4. FOR QUANTITIES UP TO 49 PIECES, NO LEADER, TRAILER, OR EIA-481-D REEL WILL BE SUPPLIED. FOR QUANTITIES OF 50-124 PIECES, NO LEADER, TRAILER WILL BE SUPPLIED.
5. NOT AVAILABLE WITH -EGP, -E, -W, -L2 OR -EGPS OPTIONS.
6. OPTION ONLY AVAILABLE ON -07.0 LEAD STYLE.
7. -TR PACKAGING NOT AVAILABLE ON 100 POSITION ONLY AVAILABLE IN TRAYS.
8. NOTE DELETED.
9. NOT AVAILABLE WITH -L, -L2, -E, OR -W OPTIONS.

[AF]

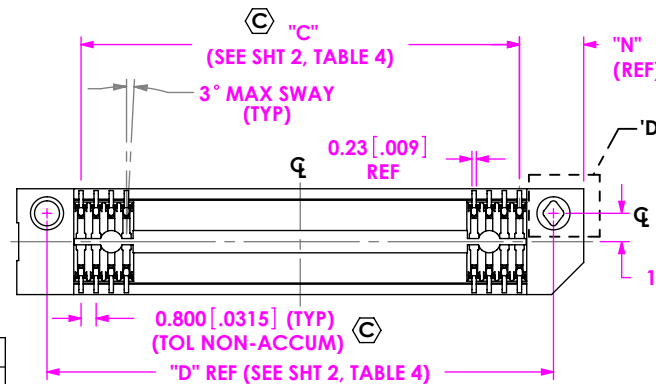
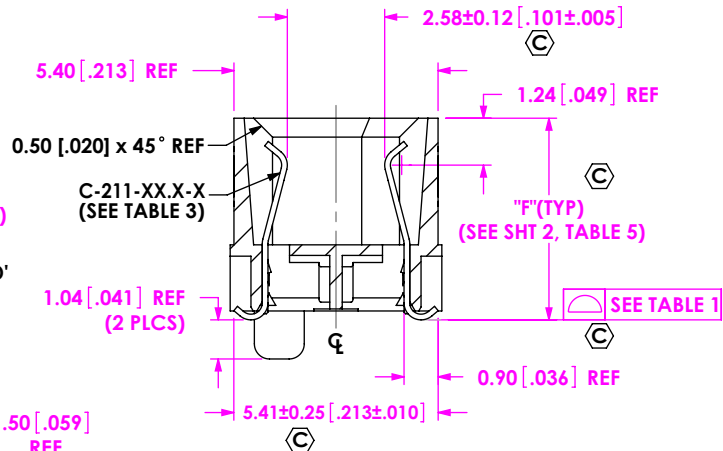


FIG 1
(ERF8-030-05.0-X-DV-XX SHOWN)
(CENTER FEATURES REMOVED FOR CLARITY)



SECTION "A"-"A"
SCALE 5 : 1

TABLE 7

OPTION	"N"
NONE	3.40 [.134]
-W, -L, -L2, EGP	4.15 [.163]

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

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MATERIAL: DO NOT SCALE DRAWING
INSULATOR: LCP, COLOR: BLACK
CONTACT & LATCHES: BeCu
SHIELD: PHOS BRONZE

SHEET SCALE: 2:1

DESCRIPTION:

0.8MM EDGE RATE SOCKET ASSEMBLY

DWG. NO.

ERF8-XXX-XX.X-X-DV-XXXX-TR

BY: KNOWLDEN

9/26/2005

SHEET 1 OF 6

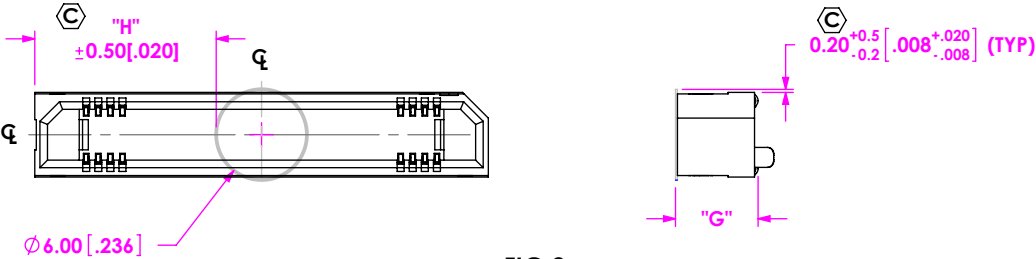
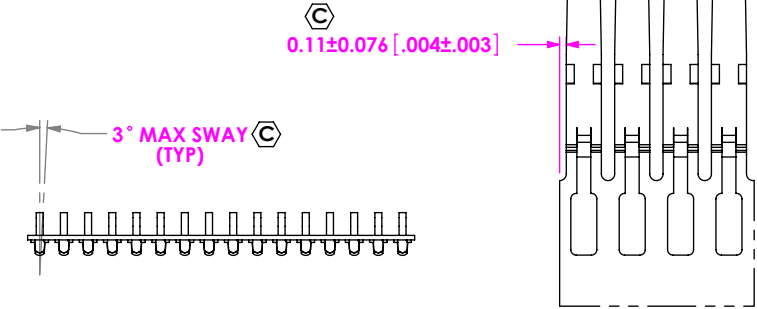


FIG 2
-K OPTION
(USE K-500-300)
(ERF8-030-XX.X-X-DV-K SHOWN)



C-211-XX.X-X IN-PROCESS VIEW

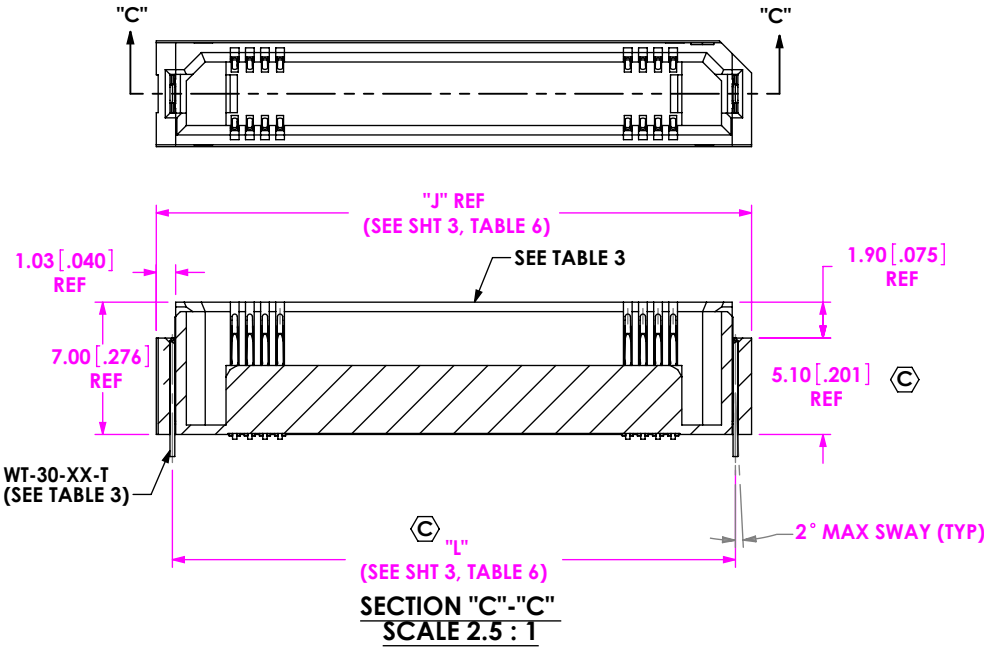


TABLE 3						
OPTION	STYLE	ERF8-XXX-XX.X-DV-XX	C-211-XX.X-X	WT-30-01-F	"T"	"U"
NONE	-05.0	ERF8-XXX-05.0-DV-01	C-211-05.0-X	N.A.	N.A.	N.A.
	-07.0	ERF8-XXX-07.0-DV-01	C-211-07.0-X			
	** -10.0	ERF8-XXX-05.0-DV-01/ ERF8H-XXX-05.0-DV	C-211-07.0-X			
-L	-05.0	ERF8-XXX-05.0-DV-L	C-211-05.0-X	WT-30-01-F	0.94 [0.037]	1.17 [0.046]
-EGP	-07.0	ERF8-XXX-07.0-DV-EGP	C-211-07.0-X	WT-30-02-T	0.92 [0.036]	1.17 [0.046]
-EGPS	-07.0	ERF8-XXX-07.0-DV-EGPS	C-211-07.0-X	SH29-XX-01-X	0.94 [0.037]	1.17 [0.046]
-W	-05.0	ERF8-XXX-05.0-DV-L	C-211-05.0-X	WT-30-05-T	1.40 [0.055]	1.64 [0.060]
	-07.0	ERF8-XXX-07.0-DV-L	C-211-05.0-X	WT-30-07-T	1.40 [0.055]	1.64 [0.060]
-E	-07.0	ERF8-XXX-07.0-DV-EGP	C-211-07.0-X	WT-30-05-T	1.40 [0.055]	1.64 [0.060]
-L2	-05.0	ERF8-XXX-05.0-DV-L	C-211-05.0-X	WT-30-04-F	1.40 [0.055]	1.64 [0.060]
	-07.0	ERF8-XXX-07.0-DV-L	C-211-05.0-X	WT-30-06-F	1.40 [0.055]	1.64 [0.060]

(** = NOT TOOLED)

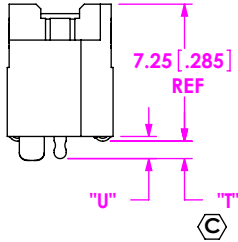


FIG 3
-E AND -EGP OPTION
(ERF8-030-07.0-X-DV-EGP SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(AVAILABLE ON -07.0 LEAD STYLE ONLY)
(CENTER FEATURES REMOVED FOR CLARITY)

TABLE 4					
POSITION	"A"	"B"	"C"	"D"	"H"
-005	10.00 [0.394]	8.32 [0.328]	3.200 [0.1260]	6.80 [0.268]	2.00 [0.079]
-010	14.00 [0.551]	12.32 [0.485]	7.200 [0.2835]	10.80 [0.425]	4.00 [0.157]
-011	14.80 [0.583]	13.12 [0.517]	8.000 [0.3150]	11.60 [0.457]	4.40 [0.173]
-013	16.40 [0.646]	14.72 [0.580]	9.600 [0.3780]	13.20 [0.520]	5.20 [0.205]
-020	22.00 [0.866]	20.32 [0.800]	15.200 [0.5984]	18.80 [0.740]	8.00 [0.315]
-023	24.40 [0.961]	22.72 [0.894]	17.600 [0.6929]	21.20 [0.835]	10.40 [0.409]
-025	26.00 [1.024]	24.32 [0.957]	19.200 [0.7559]	22.80 [0.898]	10.00 [0.394]
-030	30.00 [1.181]	28.32 [1.115]	23.200 [0.9134]	26.80 [1.055]	12.00 [0.472]
-035	34.00 [1.339]	32.32 [1.272]	27.200 [1.0708]	30.80 [1.213]	14.00 [0.551]
-040	38.00 [1.496]	36.32 [1.423]	31.200 [1.2283]	34.80 [1.370]	16.00 [0.630]
-049	45.20 [1.780]	43.52 [1.713]	38.400 [1.5118]	42.00 [1.654]	19.60 [0.772]
-050	46.00 [1.811]	44.32 [1.745]	39.200 [1.5433]	42.80 [1.685]	20.00 [0.787]
-060	54.00 [2.126]	52.32 [2.060]	47.200 [1.8583]	50.80 [2.000]	24.00 [0.945]
-070	62.00 [2.441]	60.32 [2.375]	55.200 [2.1732]	58.80 [2.315]	28.00 [1.102]
-075	66.00 [2.598]	64.32 [2.532]	59.200 [2.3307]	62.80 [2.472]	30.00 [1.181]
-100	86.00 [3.386]	84.32 [3.320]	79.200 [3.1181]	82.80 [3.260]	40.00 [1.575]

TABLE 5			
HEIGHT	"E"	"F"	"G"
-05.0	5.10 [0.201]	5.335 [0.2100]	5.52 [0.217]
-07.0	7.00 [0.275]	7.250 [0.2854]	7.37 [0.290]
** -10.0	10.10 [0.398]	10.335 [0.4069]	10.52 [0.414]

(** = NOT TOOLED)

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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
0.8MM EDGE RATE SOCKET ASSEMBLY

DWG. NO.
ERF8-XXX-XX.X-X-DV-XXXX-TR

BY:KNOWLDEN 9/26/2005 SHEET 2 OF 6

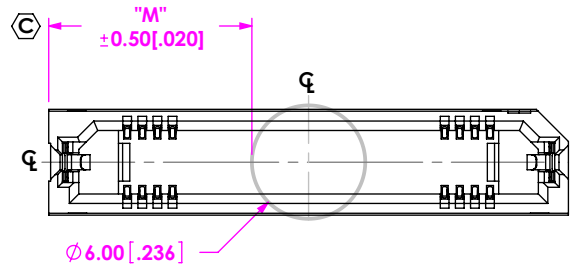
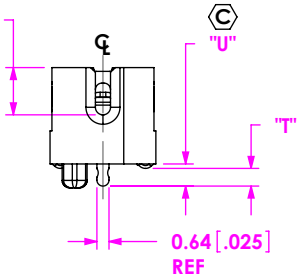
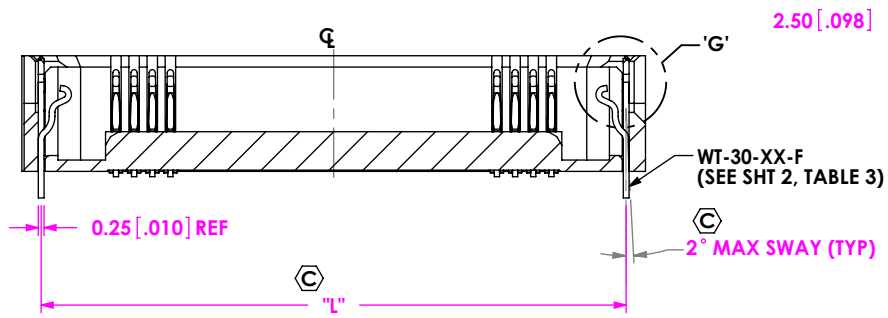
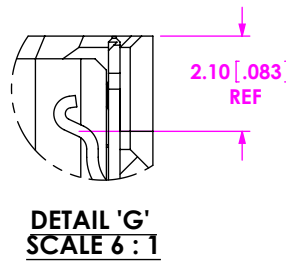
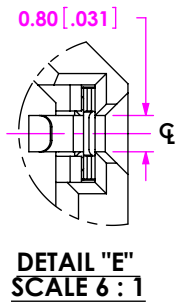
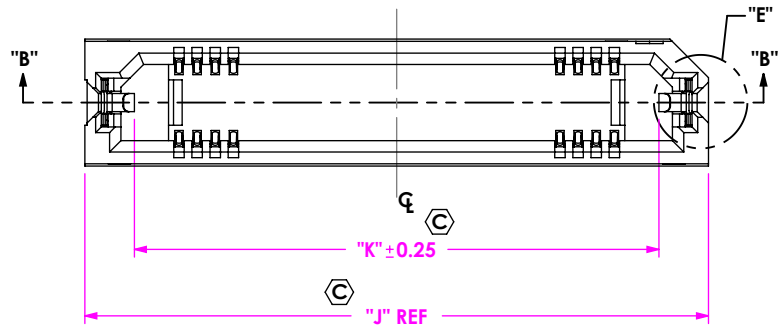


FIG 5
(ERF8-025-05.0-X-DV-K-L SHOWN)
(SAME AS FIG 1 & 2, EXCEPT AS SHOWN)
(CENTER FEATURES REMOVED FOR CLARITY)

AF

TABLE 6				
POSITION	"J"	"K"	"L"	"M"
-005	11.50 [.453]	7.13 [.281]	9.8 [.386]	2.75 [.108]
-010	15.50 [.610]	11.13 [.438]	13.8 [.543]	4.75 [.187]
-011	16.30 [.642]	11.93 [.470]	14.6 [.575]	5.15 [.203]
-013	17.90 [.705]	13.53 [.533]	16.2 [.638]	5.95 [.234]
-020	23.50 [.925]	19.13 [.753]	21.8 [.858]	8.75 [.344]
-023	25.90 [1.020]	21.53 [.848]	24.2 [.953]	9.95 [.391]
-025	27.50 [1.083]	23.13 [.911]	25.8 [1.016]	10.75 [.423]
-030	31.50 [1.240]	27.13 [1.068]	29.8 [1.173]	12.75 [.502]
-035	35.50 [1.398]	31.13 [1.226]	33.8 [1.330]	14.75 [.581]
-040	39.50 [1.555]	35.13 [1.383]	37.8 [1.488]	16.75 [.659]
-049	46.70 [1.839]	42.33 [1.667]	45.0 [1.772]	20.35 [.801]
-050	47.50 [1.870]	43.13 [1.698]	45.8 [1.803]	20.75 [.817]
-060	55.50 [2.185]	51.13 [2.013]	53.8 [2.118]	24.75 [.974]
-070	63.50 [2.500]	59.13 [2.328]	61.8 [2.433]	28.75 [1.132]
-075	67.50 [2.657]	63.13 [2.485]	65.8 [2.591]	30.75 [1.211]

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DESCRIPTION:
0.8MM EDGE RATE SOCKET ASSEMBLY

DWG. NO.
ERF8-XXX-XX.X-X-DV-XXXX-TR

BY: KNOWLDEN 9/26/2005 SHEET 3 OF 6

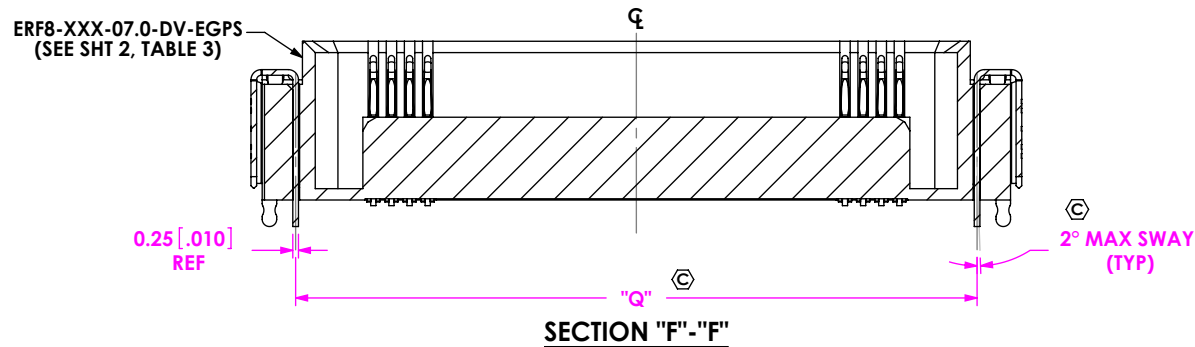
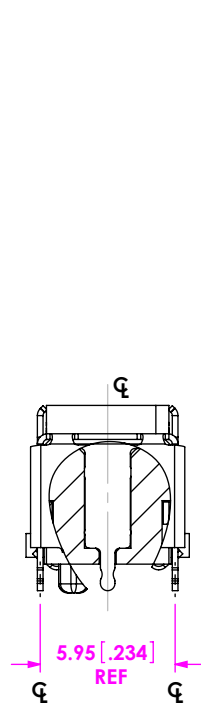
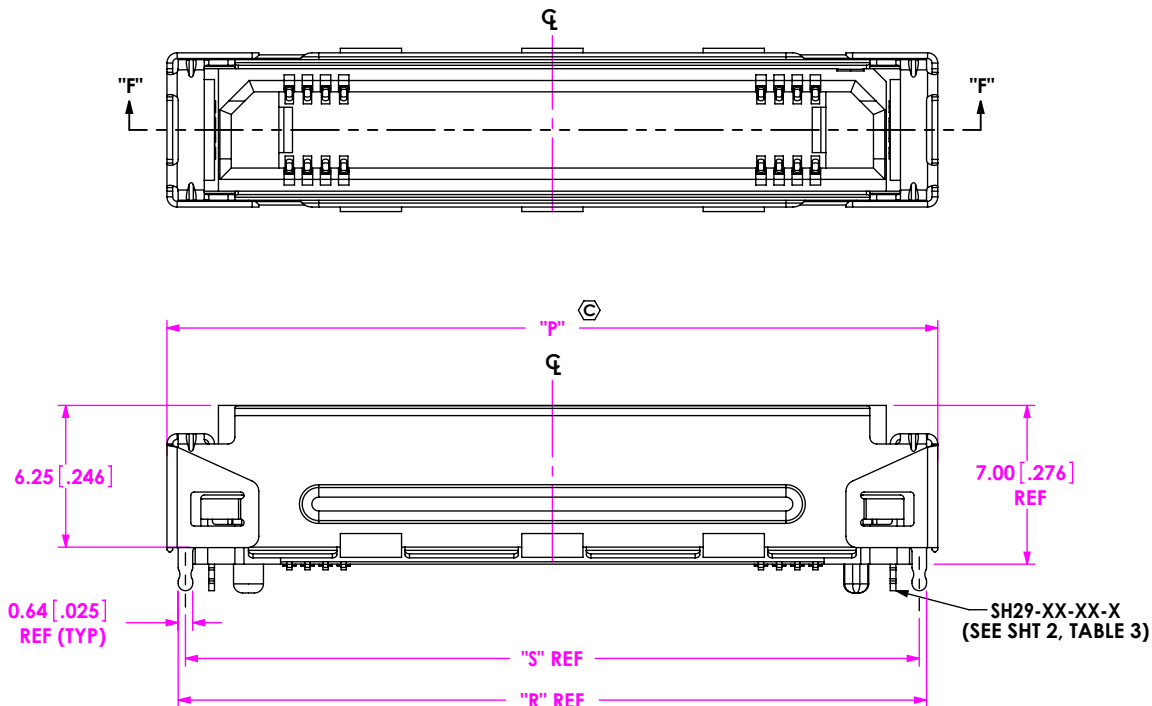
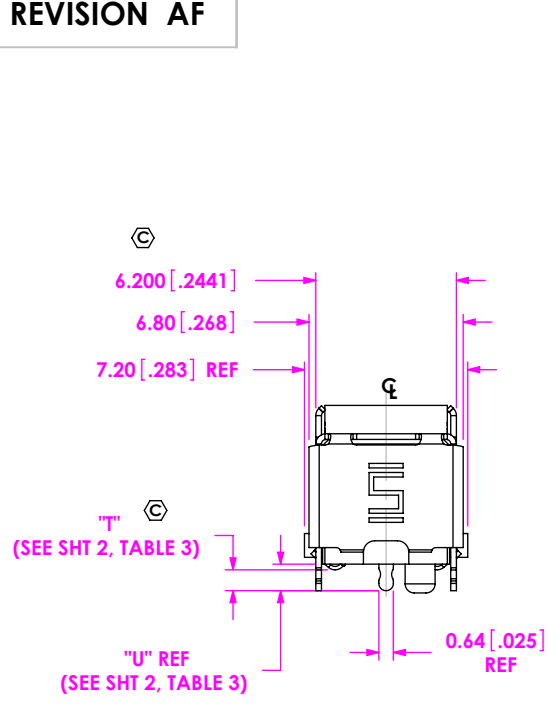


FIG 6
(ERF8-030-07.0-X-EGPS SHOWN)
(SAME AS FIG 3, EXCEPT AS SHOWN)
(AVAILABLE ON -07.0 LEAD STYLE ONLY)
(CENTER FEATURES REMOVED FOR CLARITY)

TABLE 8					
No. OF POS.	"P"	"Q"	"R"	"S"	
-10	18.0 [.71]	14.00 [.551]	17.00 [.669]	16.36 [.644]	
-20	26.0 [1.02]	22.00 [.866]	25.00 [.984]	24.36 [.959]	
-25	30.0 [1.18]	26.00 [1.024]	29.00 [1.142]	28.36 [1.117]	
-30	34.0 [1.34]	30.00 [1.181]	33.00 [1.299]	32.36 [1.274]	

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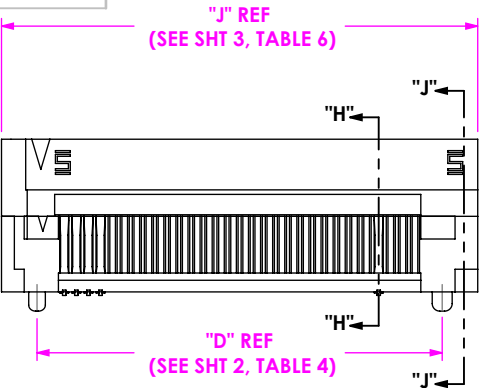
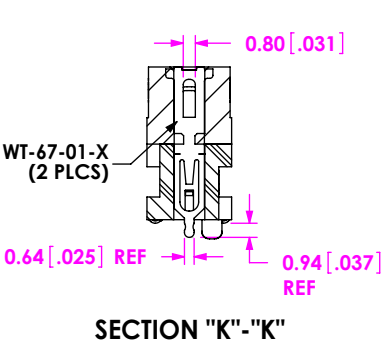


FIG 8
-EGP'S OPTIONS
(**ERF8-030-10.0-X-DV-L SHOWN)
(SAME AS FIG 7, EXCEPT AS SHOWN)
** NOT TOOLED



SECTION "K"-"K"

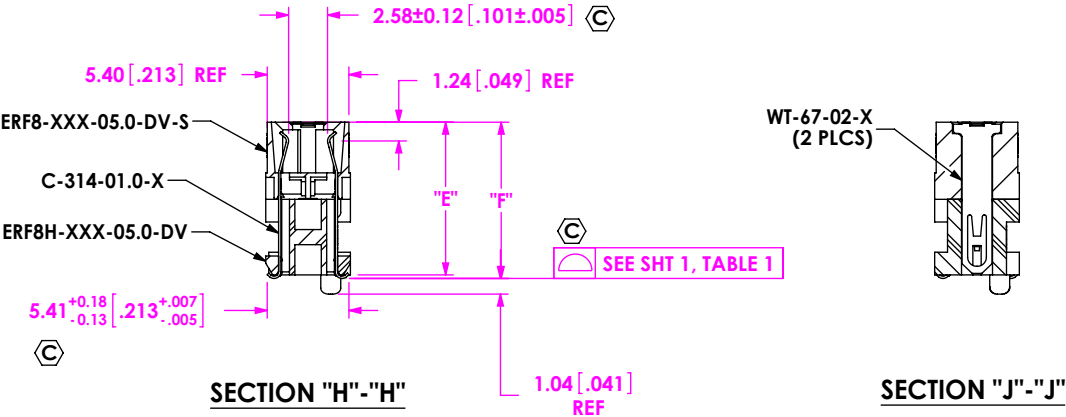


FIG 7
(**ERF8-030-10.0-X-DV SHOWN)
(CENTER FEATURES REMOVED FOR CLARITY)
** NOT TOOLED

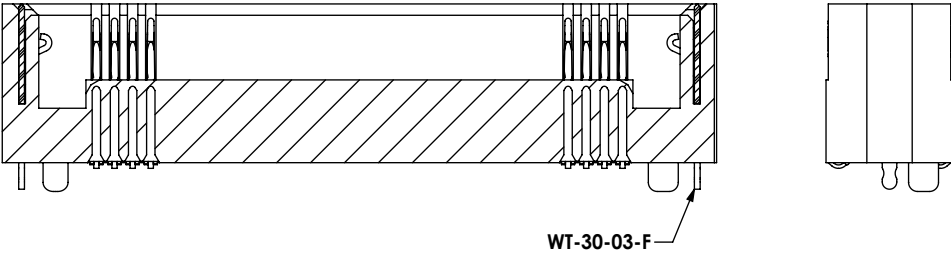
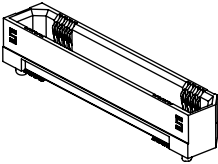
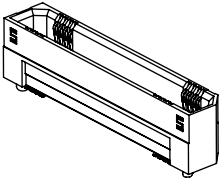


FIG 9
(**ERF8-030-07.0-X-DV-L SHOWN)
(SAME AS FIG 5, EXCEPT AS SHOWN)
(CENTER FEATURES REMOVED FOR CLARITY)
** NOT TOOLED

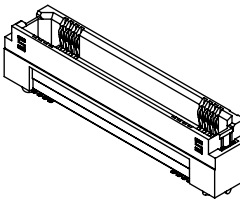
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	DESCRIPTION: 0.8MM EDGE RATE SOCKET ASSEMBLY	
	DWG. NO. ERF8-XXX-XX.X-X-DV-XXXX-TR	
BY:KNOWLDEN 9/26/2005		SHEET 5 OF 6



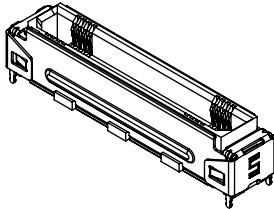
-05.0 SHOWN



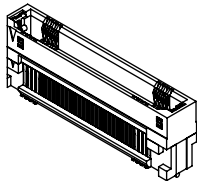
-07.0 SHOWN



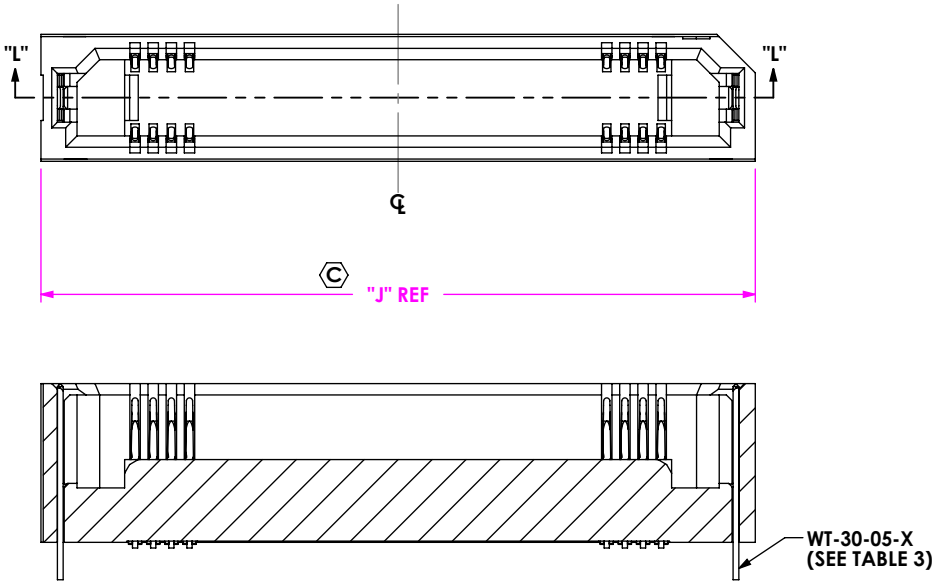
-07.0 WITH EGP SHOWN



-07.0 WITH EGPS SHOWN

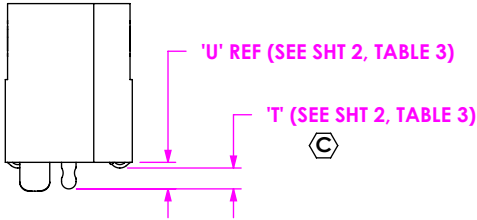


** -10.0 WITH -L SHOWN



SECTION "L"-"L"
SCALE 3 : 1

FIG 10
(ERF8-025-05.0-X-DV-W SHOWN)
(SAME AS FIG 5 EXCEPT AS SHOWN)
(CENTER FEATURES REMOVED FOR CLARITY)



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BY: KNOWLDEN 9/26/2005 SHEET 6 OF 6