REVISION AS

DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS[INCHES]

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

No OF POSITIONS (PER ROW)
-005, -010, -011, -013, -020, -023, -025, -030, -035, -040, -049, -050, -060, -070, -075, ***-100
(***-100 POSITION NOT AVAILABLE WITH OPTIONS -L, -EGP & -EGPS OR LEAD STYLES -07.0, -09.0 & -10.0)

LEAD STYLE
-05.0 = 5mm
-07.0 = 7mm
*-09.0 = 9 mm
**-10.0 = 10mm

PLATING SPECIFICATION
-L: 10µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

ROW SPECIFICATION
-DV: DOUBLE VERTICAL

PACKAGING
-TR: TAPE & REEL (SEE NOTE 4 & 7)
-LEAVE BLANK FOR TRAY: (SEE NOTE 7)

OPTION
-L: LATCHES (-05.0, *-07.0 & *-0.90 LEAD STYLE ONLY, SEE NOTE 5, SEE FIG 5 & 11)
*-S: SHIELD (-05.0 LEAD STYLE ONLY, SEE FIG 9)
-EGP: EXTENDED GUIDE POST (SEE NOTE 6, SEE FIG 3)
-EGPS: EXTENDED GUIDE POST SHIELD (ONLY AVAILABLE IN -07.0 LEAD STYLE AND ONLY -010, -020, -025 & -030 POSITIONS (SEE NOTE 6 & FIG 6)
-K: POLYIMIDE FILM PAD (SEE FIG 2)

** = NOT TOOLED
*= NOT RELEASED

"A" REF (SEE SHT 2, TABLE 4)
"B" REF (SEE SHT 2, TABLE 4)
POSITION #1 INDICATOR
59
01
3.36 [.132] REF
5.60 [.220] REF
60
02
0.800 [.0315] (TYP) (TOL. NON-ACCUM)
"C" (SEE SHT 2, TABLE 4)

3.35 [.132] REF
ERF8-XXX-XX.X-DV-01 (SEE SHT 2, TABLE 3)
"A"
"E" REF
Ø1.32 [.052] REF
"A"

1.10 [.043] REF
1.32 [.052] REF
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 *-07.0-L	9.0MM	12.0MM	15.0MM	16.0MM	22.0MM
*-09.0	11.0MM	14.0MM	17.0MM	18.0MM	24.0MM
**-10.0	12.0MM	15.0MM	18.0MM	19.0MM	25.0MM

(** = NOT TOOLED) (* = NOT RELEASED)

"C" (SEE SHT 2, TABLE 4)
"N" (REF)
3° MAX SWAY (TYP)
0.23 [.009] REF
'D'
℄
1.50 [.059] REF
0.800 [.0315] (TYP) (TOL NON-ACCUM)
"D" REF (SEE SHT 2, TABLE 4)

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

2.58±0.12 [.101±.005]
5.40 [.213] REF
1.32 [.052] REF
0.50 [.020] x 45° REF
C-211-XX.X-X (SEE SHT 2, TABLE 3)
"F" (TYP) (SEE SHT 2, TABLE 5)
1.04 [.041] REF (2 PLCS)
℄
SEE TABLE 1
0.90 [.036] REF
5.41±0.25 [.213±.010]

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

TABLE 7

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

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, TRAILOR WILL BE SUPPLIED.
5. NOT AVAILABLE WITH -EGP OR -EGPS OPTIONS.
6. OPTION ONLY AVAILABLE ON -07.0 LEAD STYLE; NOT AVAILABLE WITH -L OPTION.
7. TRAY PACKAGING AVAILABLE ON ***100 POSITION ONLY. ***100 POSITION NOT AVAILABLE IN -TR.
8. NOTE DELETED.
9. NOT AVAILABLE WITH -EGP OR -EGPS OPTIONS.

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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]

MATERIAL:
INSULATOR: LCP, COLOR: BLACK
CONTACT & LATCHES: BeCu
SHIELD: PHOS BRONZE

DO NOT SCALE DRAWING
SHEET SCALE: 2:1

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DESCRIPTION:
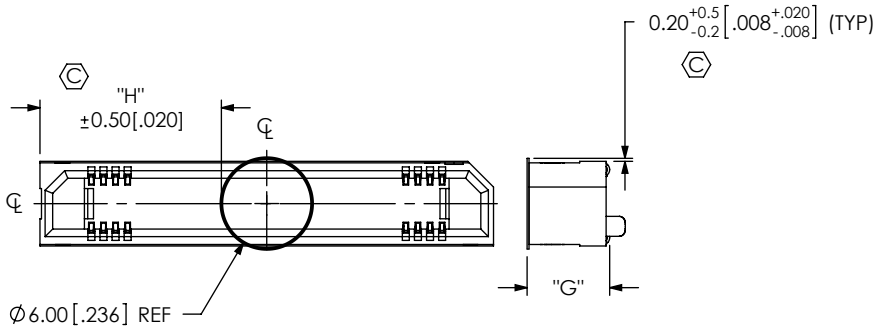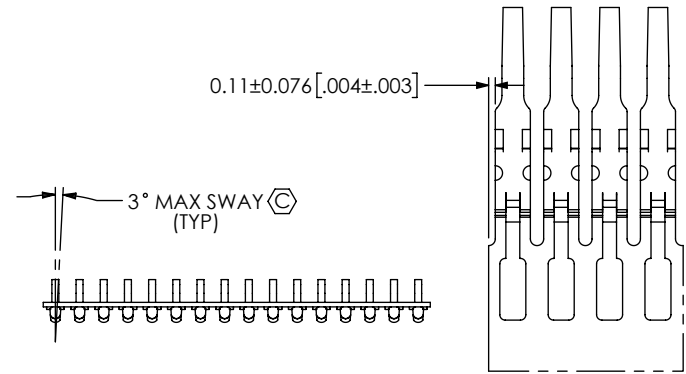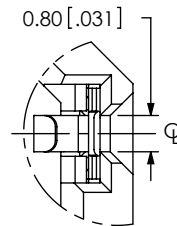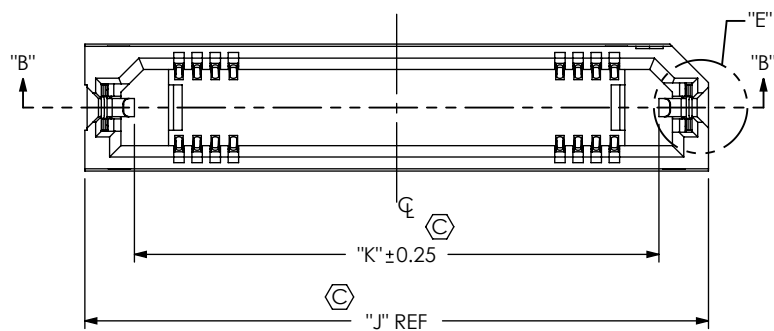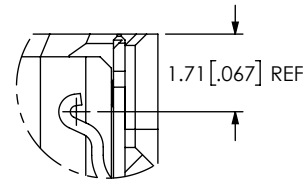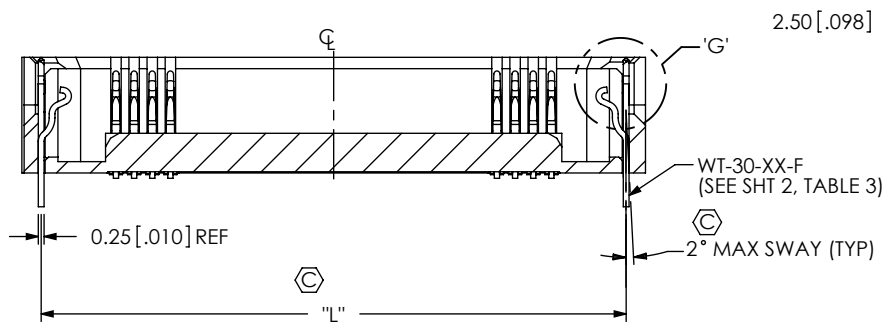0.8MM EDGE RATE SOCKET ASSEMBLY

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

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REVISION AS

"V" REF
(SEE TABLE 5)

"F"
(SEE SHT 2
TABLE 5)

IN-PROCESS

$0.20^{+0.5}_{-0.2}[.008^{+.020}_{-.008}]$ (TYP)

"H"
±0.50[.020]

CL
CL

Ø6.00[.236] REF
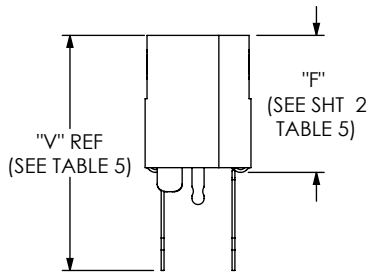
FIG 2
-K OPTION
(USE K-DOT-.236-.343-.005)
(ERF8-030-XX.X-X-DV-K SHOWN)

"G"

0.11±0.076[.004±.003]

3° MAX SWAY
(TYP)

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

"C"   "C"

"J" REF
(SEE SHT 3, TABLE 6)

1.03[.040]
REF

SEE TABLE 3

1.90[.075]
REF

7.00[.276]
REF

5.10[.201]
REF

7.25[.285]
REF

WT-30-XX-T
(SEE TABLE 3)

"L" ±0.18[.007]
(SEE SHT 3, TABLE 6)

2° MAX SWAY (TYP)

"U"

FIG 3
SECTION "C"-"C"
SCALE 2.5:1
-EGP OPTION
(ERF8-020-07.0-X-DV-EGP SHOWN)
(SAME AS FIG T, 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 [.394]	8.32 [.328]	3.200 [.1260]	6.80 [.268]	2.00 [.079]
-010	14.00 [.551]	12.32 [.485]	7.200 [.2835]	10.80 [.425]	4.00 [.157]
-011	14.80 [.583]	13.12 [.517]	8.000 [.3150]	11.60 [.457]	4.40 [.173]
-013	16.40 [.646]	14.72 [.580]	9.600 [.3780]	13.20 [.520]	5.20 [.205]
-020	22.00 [.866]	20.32 [.800]	15.200 [.5984]	18.80 [.740]	8.00 [.315]
-023	24.40 [.961]	22.72 [.894]	17.600 [.6929]	21.20 [.835]	10.40 [.409]
-025	26.00 [1.024]	24.32 [.957]	19.200 [.7559]	22.80 [.898]	10.00 [.394]
-030	30.00 [1.181]	28.32 [1.115]	23.200 [.9134]	26.80 [1.055]	12.00 [.472]
-035	34.00[1.339]	32.32[1.272]	27.200[1.0708]	30.80[1.213]	14.00 [.551]
-040	38.00 [1.496]	36.32 [1.423]	31.200 [1.2283]	34.80 [1.370]	16.00 [.630]
-049	45.20 [1.780]	43.52 [1.713]	38.400 [1.5118]	42.00 [1.654]	19.60 [.772]
-050	46.00 [1.811]	44.32 [1.745]	39.200 [1.5433]	42.80 [1.685]	20.00 [.787]
-060	54.00 [2.126]	52.32 [2.060]	47.200 [1.8583]	50.80 [2.000]	24.00 [.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"	"V"
-05.0	5.10 [.201]	5.335 [.2100]	5.52 [.217]	10.525 [.4144]
-07.0 *-07.0-L	7.00 [.276]	7.250 [.2854]	7.37 [.290]	12.440 [.4898]
*-09.0	9.10 [.358]	9.335 [.3675]	9.52 [.375]	14.525 [.5719]
**-10.0	10.10 [.398]	10.335 [.4069]	10.52 [.414]	15.525 [.6112]
(** = NOT TOOLED) (* = NOT RELEASED)				

TABLE 3					
OPTION	STYLE	ERF8-XXX-XX.X-DV-XX	C-211-XX.X-X	WT-30-01-F	"U"
NONE	-05.0	ERF8-XXX-05.0-DV-01	C-211-05.0-X	N.A.	N.A.
	-07.0	ERF8-XXX-07.0-DV-01	C-211-07.0-X		
	*-09.0	ERF8-XXX-05.0-DV-S1/ ERF8H-XXX-04.0-DV	C-211-09.0-X	WT-30-08-F	1.64 [.065]
	**-10.0	ERF8-XXX-05.0-DV-S1/ ERF8H-XXX-05.0-DV	C-211-01.0-X	WT-30-11-F	1.64 [.065]
-L	-05.0	ERF8-XXX-05.0-DV-L	C-211-05.0-X	WT-30-01-F	1.17 [.046]
	*-07.0	ERF8-XXX-07.0-DV-L	C-211-07.0-X	WT-30-09-F	1.65 [.065]
	*-09.0	ERF8-XXX-05.0-DV-S1/ ERF8H-XXX-04.0-DV	C-211-09.0-X	WT-30-10-F	1.64 [.065]
*-S	*-05.0	ERF8-XXX-05.0-DV-S	C-211-05.0-X	SH29-XX-07-X	1.63 [.064]
-EGP	-07.0	ERF8-XXX-07.0-DV-EGP	C-211-07.0-X	WT-30-02-F	1.17 [.046]
-EGPS	-07.0	ERF8-XXX-07.0-DV-EGPS	C-211-07.0-X	SH29-XX-01-X	1.17 [.046]

(** = NOT TOOLED) (* = NOT RELEASED)

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DESCRIPTION:
0.8MM EDGE RATE SOCKET ASSEMBLY

DWG. NO.
ERF8-XXX-XX.X-X-DV-XXXX-XX
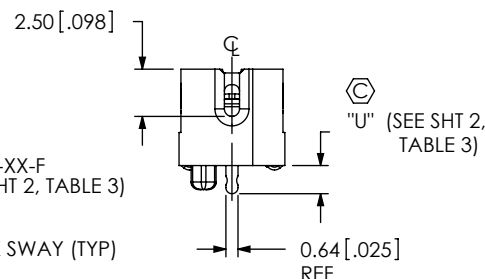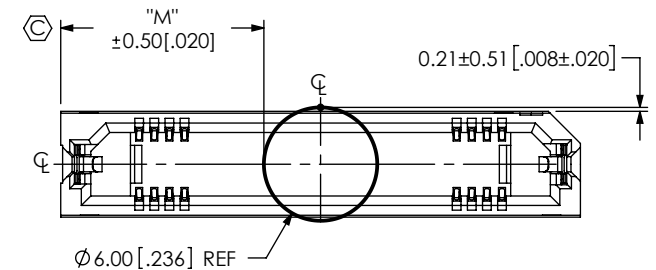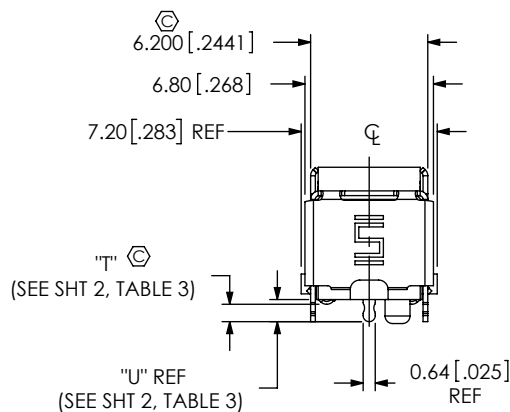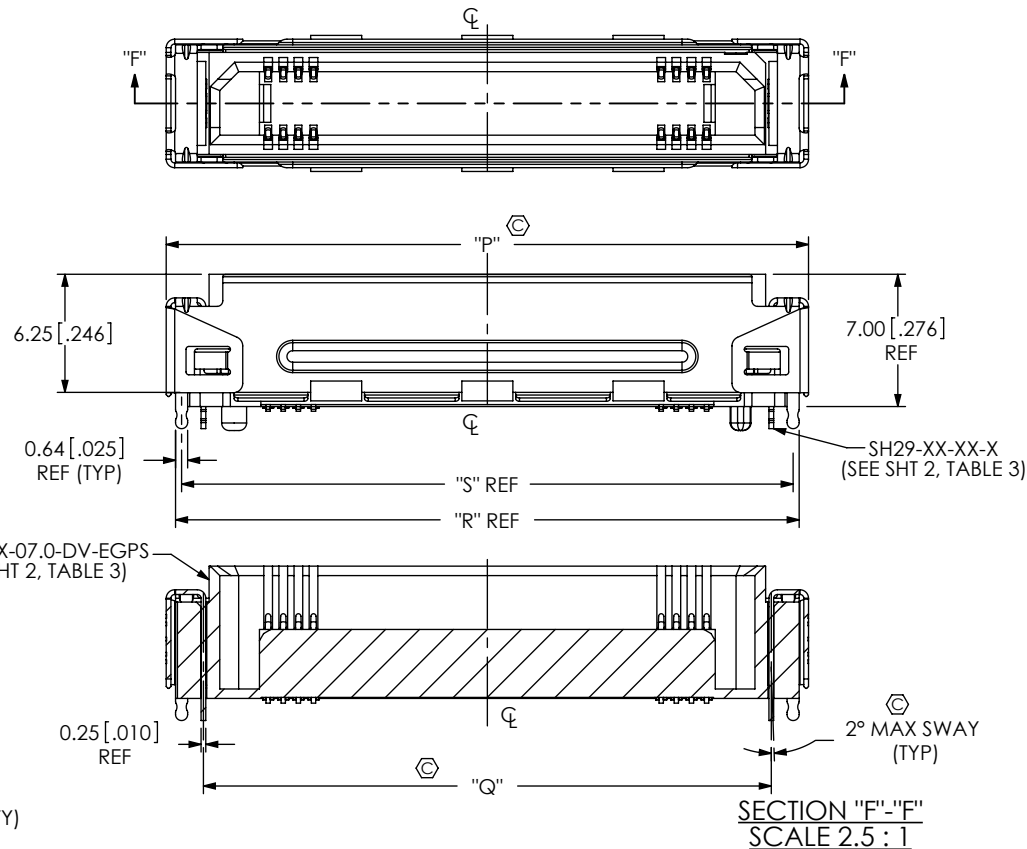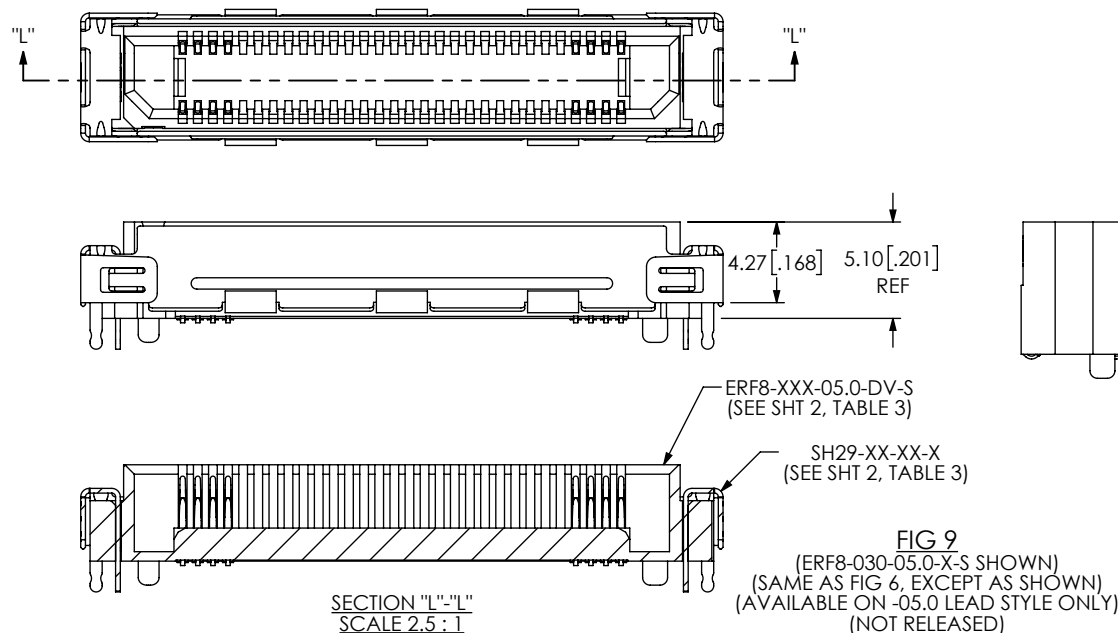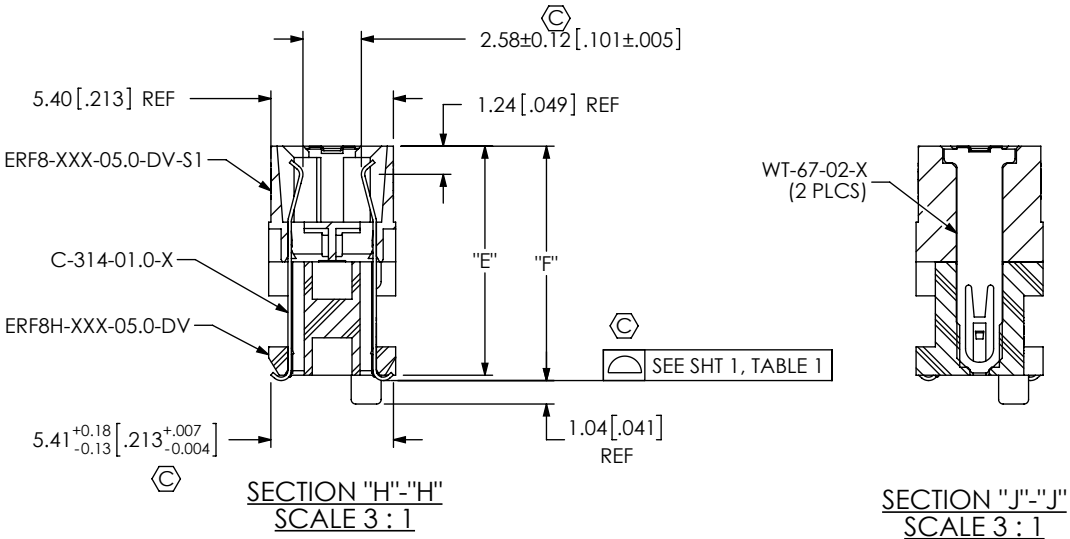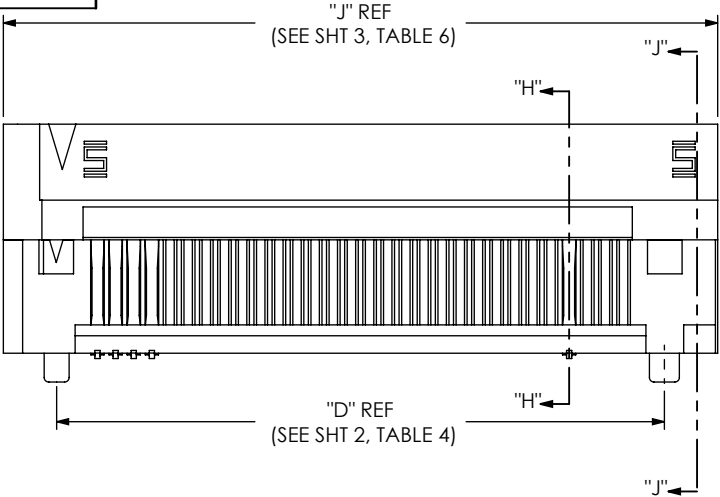
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0.80 [.031]

DETAIL "E"
SCALE 6 : 1

1.71 [.067] REF

DETAIL 'G'
SCALE 6 : 1

"B" "E" "B"

"K" ±0.25

"J" REF

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

0.25 [.010] REF

2° MAX SWAY (TYP)

WT-30-XX-F
(SEE SHT 2, TABLE 3)

'G'

"L"

2.50 [.098]

"U" (SEE SHT 2, TABLE 3)

0.64 [.025] REF

RIGHT SIDE VIEW

"M" ±0.50 [.020]

0.21±0.51 [.008±.020]

Ø 6.00 [.236] REF

FIG 5
(ERF8-025-05.0-X-DV-L-K SHOWN)
(SAME AS FIG 1 & 2, EXCEPT AS SHOWN)
(AVAILABLE ON -05.0 & -07.0 LEAD STYLE ONLY)
(CENTER FEATURES REMOVED FOR CLARITY)

TABLE 6				
POSITION	"J"	"K"	"L"	"M"
-005	11.50 [.453]	7.13 [.281]	9.80 [.386]	2.75 [.108]
-010	15.50 [.610]	11.13 [.438]	13.79 [.543]	4.75 [.187]
-011	16.30 [.642]	11.93 [.470]	14.61 [.575]	5.15 [.203]
-013	17.90 [.705]	13.53 [.533]	16.20 [.638]	5.95 [.234]
-020	23.50 [.925]	19.13 [.753]	21.79 [.858]	8.75 [.344]
-023	25.90 [1.020]	21.53 [.848]	24.21 [.953]	9.95 [.391]
-025	27.50 [1.083]	23.13 [.911]	25.81 [1.016]	10.75 [.423]
-030	31.50 [1.240]	27.13 [1.068]	29.79 [1.173]	12.75 [.502]
-035	35.50 [1.398]	31.13 [1.226]	33.78 [1.330]	14.75 [.581]
-040	39.50 [1.555]	35.13 [1.383]	37.80 [1.488]	16.75 [.659]
-049	46.70 [1.839]	42.33 [1.667]	45.00 [1.772]	20.35 [.801]
-050	47.50 [1.870]	43.13 [1.698]	45.80 [1.803]	20.75 [.817]
-060	55.50 [2.185]	51.13 [2.013]	53.80 [2.118]	24.75 [.974]
-070	63.50 [2.500]	59.13 [2.328]	61.80 [2.433]	28.75 [1.132]
-075	67.50 [2.657]	63.13 [2.485]	65.81 [2.591]	30.75 [1.211]

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
0.8MM EDGE RATE SOCKET ASSEMBLY

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

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6.200 [.2441]

6.80 [.268]

7.20 [.283] REF

"T" ©
(SEE SHT 2, TABLE 3)

"U" REF
(SEE SHT 2, TABLE 3)

0.64 [.025]
REF

"F"

"F"

"P"

6.25 [.246]

7.00 [.276]
REF

0.64 [.025]
REF (TYP)

"S" REF

"R" REF

SH29-XX-XX-X
(SEE SHT 2, TABLE 3)

5.95 [.234]
REF

ERF8-XXX-07.0-DV-EGPS
(SEE SHT 2, TABLE 3)

0.25 [.010]
REF

"Q"

2° MAX SWAY
(TYP)

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)

SECTION "F"-"F"
SCALE 2.5 : 1

"L"

"L"

4.27 [.168]

5.10 [.201]
REF

ERF8-XXX-05.0-DV-S
(SEE SHT 2, TABLE 3)

SH29-XX-XX-X
(SEE SHT 2, TABLE 3)

SECTION "L"-"L"
SCALE 2.5 : 1

FIG 9
(ERF8-030-05.0-X-S SHOWN)
(SAME AS FIG 6, EXCEPT AS SHOWN)
(AVAILABLE ON -05.0 LEAD STYLE ONLY)
(NOT RELEASED)

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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520 PARK EAST BLVD, NEW ALBANY, IN 47150
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DESCRIPTION:
0.8MM EDGE RATE SOCKET ASSEMBLY

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

BY: KNOWLDEN   9/26/2005   SHEET 4 OF 7

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REVISION AS

"J" REF
(SEE SHT 3, TABLE 6)

"J"

"H"

"D" REF
(SEE SHT 2, TABLE 4)

"H"

"J"

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

2.58±0.12 [.101±.005]

5.40 [.213] REF

1.24 [.049] REF

ERF8-XXX-05.0-DV-S1

C-314-01.0-X

ERF8H-XXX-05.0-DV

"E"   "F"

5.41 $^{+0.18}_{-0.13}$ [.213 $^{+.007}_{-0.004}$]

1.04 [.041]
REF

SEE SHT 1, TABLE 1

SECTION "H"-"H"
SCALE 3 : 1

WT-67-02-X
(2 PLCS)

SECTION "J"-"J"
SCALE 3 : 1

"J" REF
(SEE SHT 3, TABLE 6)

"N"   "M"

"D" REF
(SEE SHT 2, TABLE 4)

"N"   "M"

"L" REF
(SEE SHT 3, TABLE 6)
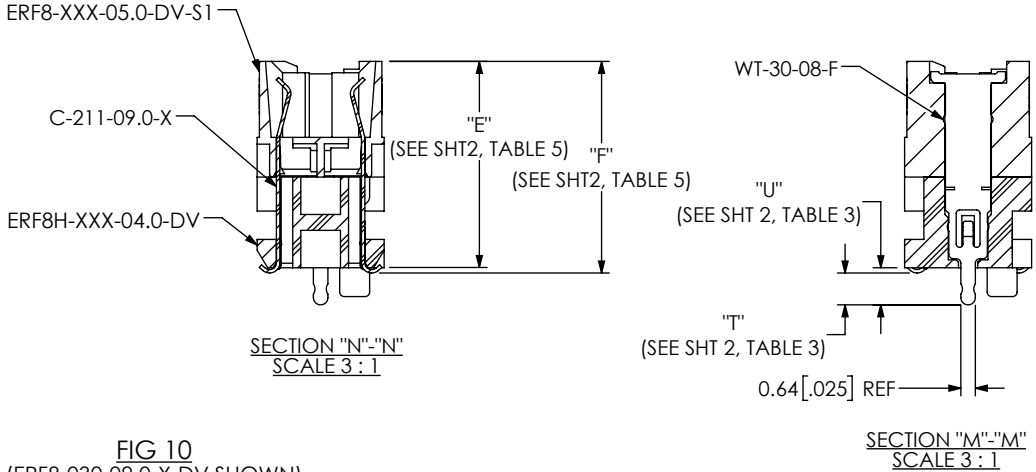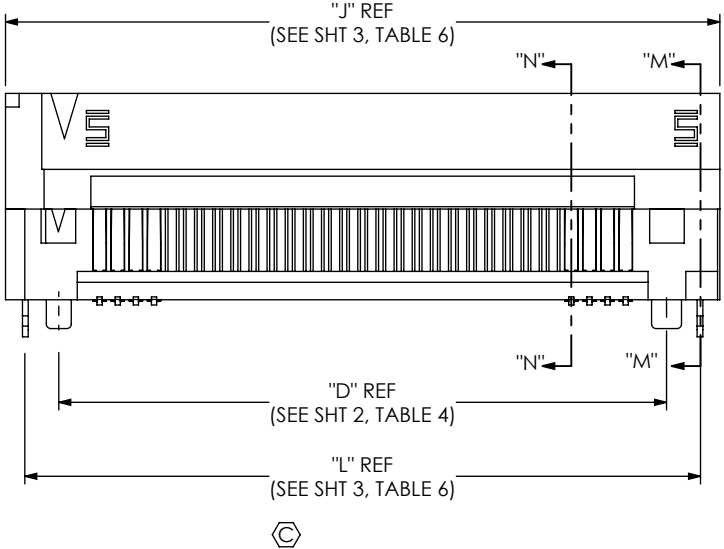
FIG 10
(ERF8-030-09.0-X-DV SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 7)
(NOT RELEASED)

ERF8-XXX-05.0-DV-S1

C-211-09.0-X

ERF8H-XXX-04.0-DV

"E"
(SEE SHT2, TABLE 5)   "F"
(SEE SHT2, TABLE 5)

SECTION "N"-"N"
SCALE 3 : 1

WT-30-08-F

"U"
(SEE SHT 2, TABLE 3)

"T"
(SEE SHT 2, TABLE 3)

0.64 [.025] REF

SECTION "M"-"M"
SCALE 3 : 1

DESCRIPTION:
0.8MM EDGE RATE SOCKET ASSEMBLY

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

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BY:KNOWLDEN   9/26/2005   SHEET 5 OF 7

"K"±0.25
(SEE SHT 3, TABLE 6)

"P"

"P"

0.80[.031] REF

WT-30-10-F

1.71[.067] REF

SECTION "P"-"P"
SCALE 3 : 1

FIG 11
(ERF8-030-09.0-X-DV-L SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 10)
(NOT RELEASED)

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

SHEET SCALE: 2:1

DESCRIPTION:
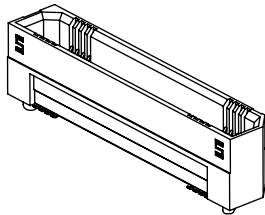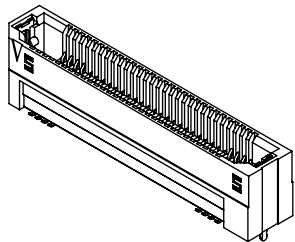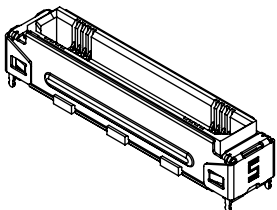0.8MM EDGE RATE SOCKET ASSEMBLY

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

BY: KNOWLDEN   9/26/2005 | SHEET 6 OF 7

REVISION AS
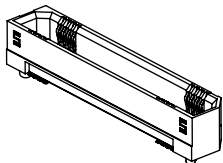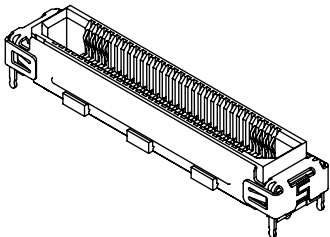
-05.0 SHOWN

*-05.0 WITH -S SHOWN

-07.0 SHOWN

*-07.0 WITH -L SHOWN

-07.0 WITH EGPS SHOWN
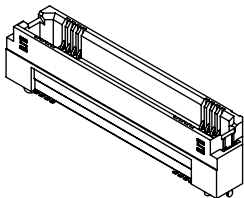
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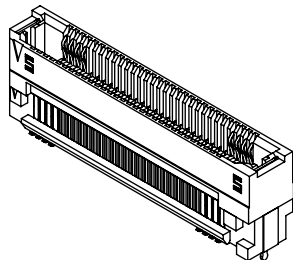
*-09.0 OPTION
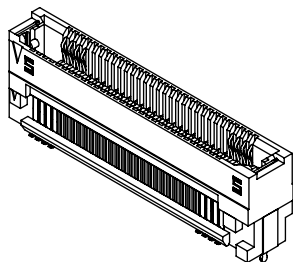
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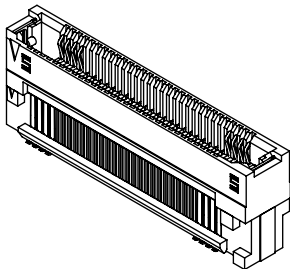
**-10.0 SHOWN

(*=NOT RELEASED)
(**=NOT TOOLED)

DESCRIPTION:
0.8MM EDGE RATE SOCKET ASSEMBLY

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

BY: KNOWLDEN   9/26/2005

c:\enterprisevault\DWG\MISC\MKTG\ERF8-XXX-XX.X-X-DV-XXXX-XX-MKT.SLDDRW