

## REVISION AD

DO NOT  
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THIS PRINTDESIGNED AND DIMENSIONED  
IN MILLIMETERS [INCHES]

## ERM8-XXX-XX.X-X-DV-XXXX-TR

No OF POSITIONS  
(PER ROW)

-005, -010, -011, -013, -020, -025, -030,  
-035, -040, -049, -050, -060, -070, -075, -100  
(-100 AVAILABLE ON -09.0 LEAD STYLE ONLY  
SEE NOTE 8)

## LEAD STYLE

-02.0 = 2mm  
-05.0 = 5mm  
-08.0 = 8mm  
-09.0 = 9mm  
\*\*\*-15.0 = 15mm

## PLATING SPECIFICATION

-L: 10μ" LIGHT 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

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

TAPE & REEL  
(STANDARD PACKAGING)  
(SEE NOTES 4 & 7)

## OPTIONS

- K: POLYIMIDE FILM PAD  
(FOR -EGP & EGPS OPTIONS  
USE K-DOT-.157-.250-.005)  
(FOR ALL OTHER OPTIONS USE K-500-300)
- DS: DIFFERENTIAL PAIR (HOT SWAP)  
(AVAILABLE ONLY ON -05.0 LEAD STYLE)  
(SEE TABLE 4 FOR POSITION AVAILABILITY)
- L: LATCHES  
(AVAILABLE ONLY ON -05.0, -08.0, -09.0 &  
\*\*\*-15.0 LEAD STYLES. -L ON -08.0 & -09.0  
NOT TOOLED)  
(SEE TABLE FOR AVAILABILITY)  
(NOT AVAILABLE WITH -EGP, -L2, -W, -EGP, -EGPS  
OPTIONS)
- \*\*\*-L2: LATCHES WITH LONG WELD TAB  
(AVAILABLE ONLY ON -05.0, -08.0 & .09.0  
LEAD STYLES)(NOT AVAILABLE WITH -L, -E, -W,  
-EGP AND -EGPS OPTIONS)
- \*\*\*-E: EXTENDED GUIDE POSTS, WITH LONG WELD TAB  
(AVAILABLE ONLY ON -05.0, -08.0 & .09.0  
LEAD STYLES, NOT AVAILABLE WITH -L OPTION,  
SEE NOTE 6)
- \*\*\*-W: WELD TAB (AVAILABLE ONLY ON -05.0, -08.0 & .09.0  
LEAD STYLES)  
-EGP: EXTENDED GUIDE POSTS  
(AVAILABLE ONLY ON -05.0 LEAD STYLE)  
(NOT AVAILABLE WITH -L OPTION)  
-EGPS: EXTENDED GUIDE POST SHIELD  
(AVAILABLE ONLY ON -05.0 LEAD STYLE)  
(NOT AVAILABLE WITH -L OPTION)  
(-10, -20, -25, & -30 POSITIONS ONLY)

## NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: 0.038[.0015] MAX.
3. MINIMUM PUSHOUT FORCE: TERMINAL 2.22 N [5 LB.], WELD TAB 4.45 N [1 LB.]
4. FOR QUANTITY UP TO 49 PIECES, NO LEADER, TRAILER, OR  
EIA-481-D REEL WILL BE SUPPLIED. FOR QUANTITY OF 50-124  
PIECES, NO LEADER OR TRAILER WILL BE SUPPLIED.
5. "F" DIMENSION DOES NOT APPLY TO -EGP & -EGPS OPTION, SEE FIG. 5 & 6.
6. NOTE DELETED.
7. -TR PACKAGING NOT AVAILABLE ON THE 100 POSITION.
8. NOT AVAILABLE WITH -L, -L2, -E OR -W OPTIONS.

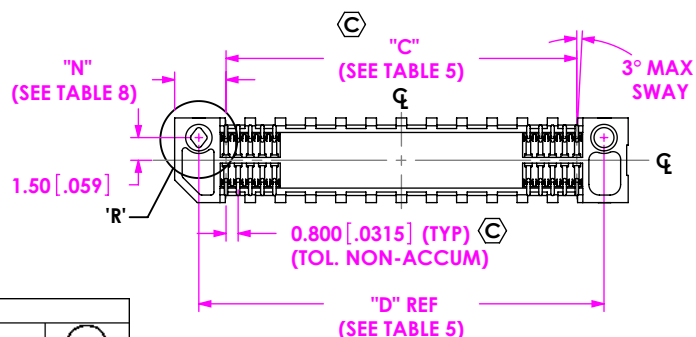
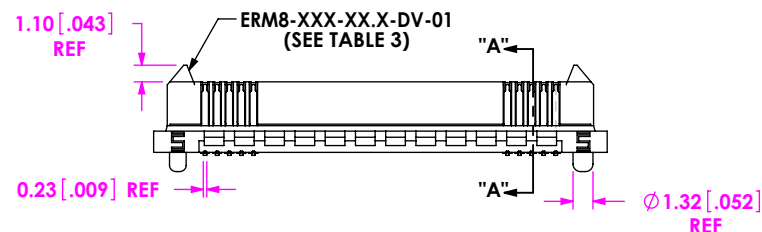
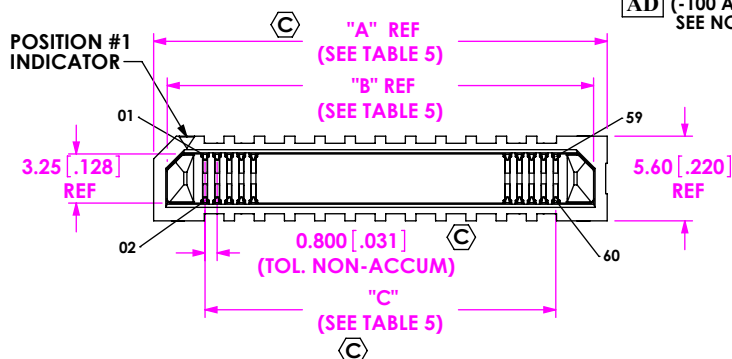


TABLE 1

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

TABLE 5

POSITION	"A"	"B"	"C"	"D"	"H"
-005	10.00 [1.394]	8.20 [1.323]	3.200 [1.260]	6.80 [1.268]	3.00 [1.128]
-010	14.00 [1.551]	12.20 [1.480]	7.200 [1.283]	10.80 [1.425]	5.00 [1.197]
-011	14.80 [1.583]	13.00 [1.512]	8.000 [1.315]	11.60 [1.457]	5.40 [1.212]
-013	16.40 [1.648]	14.60 [1.575]	9.600 [1.378]	13.20 [1.520]	6.20 [1.244]
-020	22.00 [1.866]	20.20 [1.795]	15.200 [1.598]	18.80 [1.740]	9.00 [1.354]
-025	26.00 [1.024]	24.20 [1.953]	19.200 [1.755]	22.80 [1.898]	11.00 [1.433]
-030	30.00 [1.181]	28.20 [1.110]	23.200 [1.913]	26.80 [1.055]	13.00 [1.512]
-035	34.00 [1.339]	32.20 [1.268]	27.200 [1.070]	30.80 [1.213]	15.00 [1.590]
-040	38.00 [1.496]	36.20 [1.425]	31.200 [1.228]	34.80 [1.370]	17.00 [1.668]
-049	45.20 [1.780]	43.40 [1.709]	38.400 [1.511]	42.00 [1.654]	20.80 [1.811]
-050	46.00 [1.811]	44.20 [1.740]	39.20 [1.543]	42.80 [1.685]	21.00 [1.827]
-060	54.00 [2.126]	52.20 [2.055]	47.20 [1.858]	50.80 [2.000]	25.00 [1.984]
-070	62.00 [2.441]	60.20 [2.370]	55.20 [2.173]	58.80 [2.315]	29.00 [1.142]
-075	66.00 [2.598]	64.20 [2.528]	59.20 [2.331]	62.80 [2.472]	31.00 [1.220]
-100	86.00 [3.386]	84.20 [3.315]	79.20 [3.118]	82.80 [3.260]	41.00 [1.614]

FIG 1  
(ERM8-030-02.0-X-DV-XX SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 2 (REF)

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

(\*\* = NOT TOOLED)

TABLE 6

HEIGHT	"E"	"F"	"G"
-02.0	1.605 [.0632]	5.965 [.2348]	5.04 [.198]
-05.0	4.605 [.1813]	8.905 [.3506]	7.98 [.314]
-08.0	7.605 [.2994]	11.905 [.4687]	10.98 [.432]
-09.0	8.605 [.3411]	12.905 [.5081]	11.98 [.472]
***-15.0	14.605 [.5750]	18.905 [.7443]	17.98 [.708]

(\*\* = NOT TOOLED)

TABLE 8

OPTION	"N"
NONE	3.40 [.134]
-W, -L, -L2, -EGP	4.90 [.193]

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  
TERMINAL: PHOS BRONZE  
LATCH: BeCu  
SHIELD: PHOS BRONZE

SHEET SCALE: 2:1

F:\DWG\MISC\MTGT\ERM8-XXX-XX.X-X-DV-XXXX-TR-MKT.SLDDRW

DESCRIPTION:

0.8MM EDGE RATE TERMINAL ASSEMBLY

DWG. NO.

ERM8-XXX-XX.X-X-DV-XXXX-TR

BY: KNOWLDEN

9/27/2005

SHEET 1 OF 6

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

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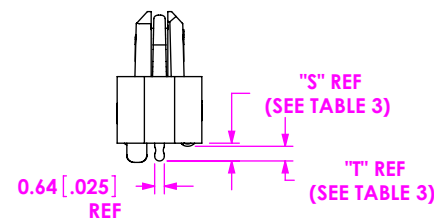
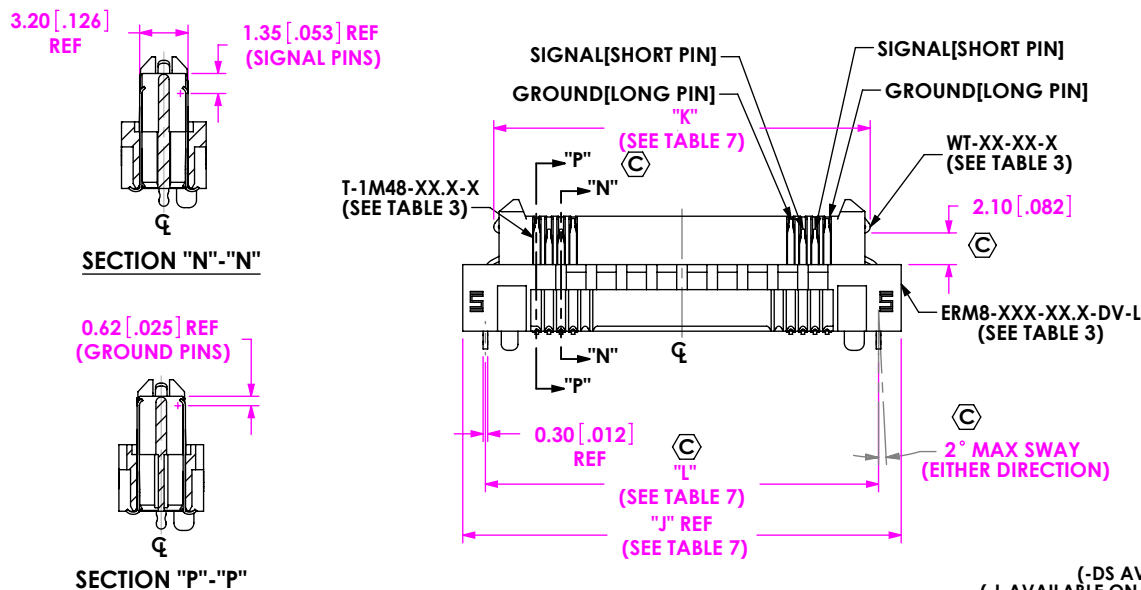
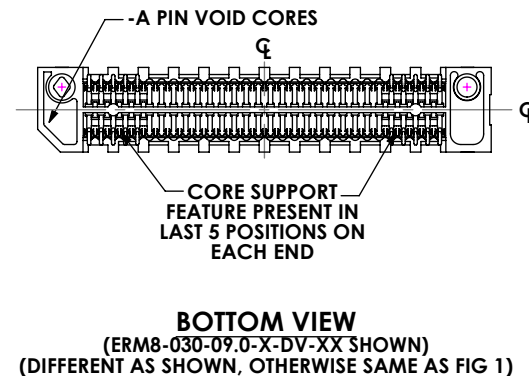
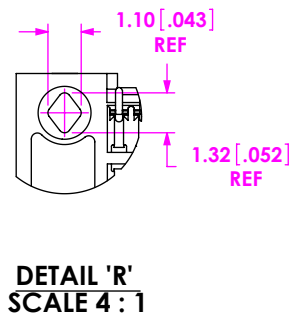
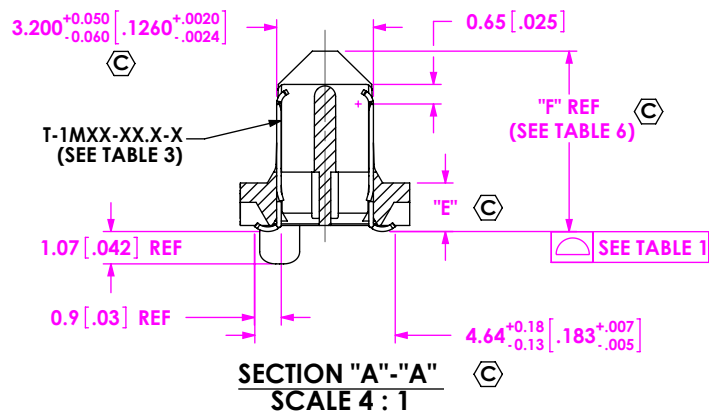


TABLE 4	
-DS & -L OPTION AVAILABILITY	
POSITION	(-DS AVAILABLE ON -05.0 LEADSTYLE ONLY) (-L AVAILABLE ON -05.0, -08.0, -09.0 & ***-15.0 LEADSTYLES ONLY. -L ON -08.0 & -09.0 NOT TOOLED)
-005	-L, -L2, -W
-010	-DS, -L, -L2, -W
-011	-L, -L2, -W
-013	-DS, -L, -L2, -W
-020	-L, -L2, -W
-025	-DS, -L, -L2, -W
-030	-L, -L2, -W
-035	-L, -L2, -W
-040	-L, -L2, -W
-049	-DS, -L, -L2, -W
-050	-L, -L2, -W
-060	-L, -L2, -W
-070	-L, -L2, -W
-075	-L, -L2, -W

TABLE 3						
OPTION	STYLE	ERM8-XXX-XX.X-DV-01	T-1MX-XX-X	WT-XXX-X	"S"	"T"
NONE	-02.0	ERM8-XXX-02.0-DV-01	T-1M37-02.0-X	N/A	N/A	N/A
	-05.0	ERM8-XXX-05.0-DV-01	T-1M37-05.0-X			
	-08.0	ERM8-XXX-08.0-DV-01	T-1M37-08.0-X			
	-09.0	ERM8-XXX-09.0-DV-01	T-1M37-09.0-X			
	***-15.0	ERM8-XXX-05.0-DV-01/ ERM8H-XXX-10.0-DV	T-1M89-01.0-X			
-DS	-05.0	ERM8-XXX-05.0-DV-XX	T-1M48-05.0-X	N/A		
-EGP		ERM8-XXX-05.0-DV-EGP	T-1M37-05.0-X	WT-29-06-T	1.17 [045]	0.97 [038]
-EGPS		ERM8-XXX-05.0-DV-EGPS	T-1M37-05.0-X	SH29-XX-02	1.17 [045]	0.97 [038]
-L		ERM8-XXX-05.0-DV-L	T-1M37-05.0-X	WT-29-03-F	1.17 [045]	0.97 [038]
***-E	-05.0	ERM8-XXX-06.0-EGP	T-1M37-05.0-X	WT-29-09-T	1.60 [083]	1.40 [055]
	-08.0	ERM8-XXX-08.0-EGP	T-1M37-08.0-X	WT-66-05-T	1.60 [083]	1.40 [055]
	-09.0	ERM8-XXX-09.0-EGP	T-1M37-09.0-X	WT-66-06-T	1.60 [083]	1.40 [055]
***-W	-05.0	ERM8-XXX-05.0-DV-L	T-1M37-05.0-X	WT-29-09-T	1.60 [083]	1.40 [055]
	-08.0	ERM8-XXX-08.0-DV-L	T-1M37-08.0-X	WT-66-05-T	1.60 [083]	1.40 [055]
	-09.0	ERM8-XXX-09.0-DV-L	T-1M37-09.0-X	WT-66-06-T	1.60 [083]	1.40 [055]
***-L2	-05.0	ERM8-XXX-05.0-DV-L	T-1M37-05.0-X	WT-29-08-F	1.60 [083]	1.40 [055]
	-08.0	ERM8-XXX-08.0-DV-L	T-1M37-08.0-X	WT-66-03-F	1.60 [083]	1.40 [055]
	-09.0	ERM8-XXX-09.0-DV-L	T-1M37-09.0-X	WT-66-04-F	1.60 [083]	1.40 [055]

AD

TABLE 7				
POSITION	"J"	"K"	"L"	"M"
-005	13.00 [.512]	8.90 [.350]	10.00 [.394]	4.50 [.177]
-010	17.00 [.669]	12.90 [.508]	14.00 [.551]	6.50 [.256]
-011	17.80 [.701]	13.70 [.539]	14.80 [.583]	6.90 [.271]
-013	19.40 [.764]	15.30 [.602]	16.40 [.646]	7.75 [.303]
-020	25.00 [.984]	20.90 [.823]	22.00 [.866]	10.50 [.413]
-025	29.00 [1.142]	24.90 [.980]	26.00 [1.024]	12.50 [.492]
-030	33.00 [1.299]	28.90 [1.138]	30.00 [1.181]	14.50 [.571]
-035	37.00 [1.457]	32.90 [1.295]	34.00 [1.339]	16.50 [.649]
-040	41.00 [1.614]	36.90 [1.453]	38.00 [1.496]	18.50 [.728]
-049	48.20 [1.898]	44.10 [1.736]	45.20 [1.780]	22.10 [.870]
-050	49.00 [1.929]	44.90 [1.768]	46.00 [1.811]	22.50 [.886]
-060	57.00 [2.244]	52.90 [2.083]	54.00 [2.126]	26.50 [1.043]
-070	65.00 [2.559]	60.90 [2.398]	62.00 [2.441]	30.50 [1.201]
-075	69.00 [2.717]	64.90 [2.555]	66.00 [2.598]	32.50 [1.279]

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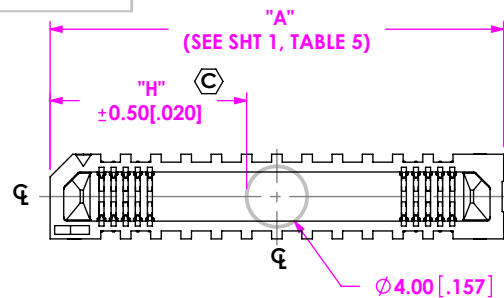
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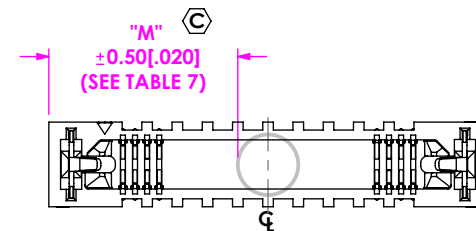
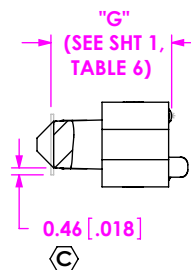
DESCRIPTION:  
**0.8MM EDGE RATE TERMINAL ASSEMBLY**

DWG. NO.  
**ERM8-XXX-XX.X-X-DV-XXXX-TR**

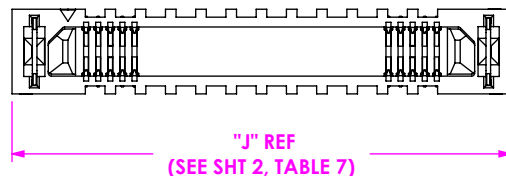
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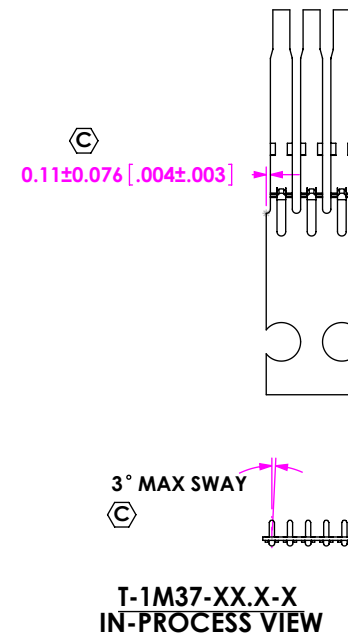
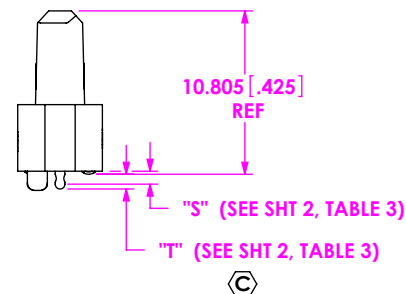
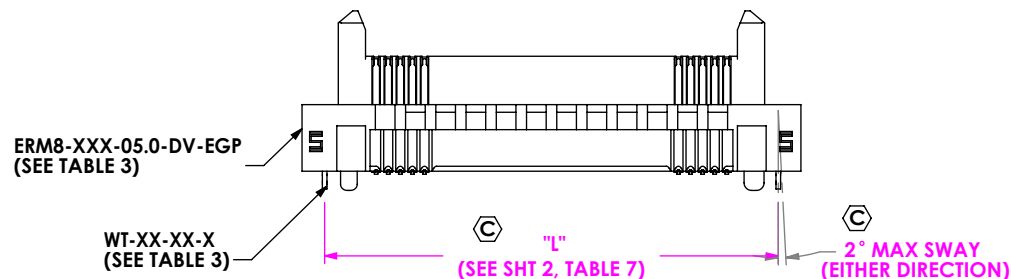
**FIG 2**  
-K OPTION  
(FOR -EGP, -E OR -ES OPTIONS USE K-DOT-.157-.250-.005)  
(USE K-500-300 FOR ALL OTHER OPTIONS)  
(ERM8-030-XX.X-X-DV-K SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



**FIG 4**  
-K WITH -L, -L2 OR -W OPTIONS  
(ERM8-025-05.0-X-DV-K-L SHOWN)  
(SAME AS FIG 2, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



**FIG 5**  
-EGP AND -E OPTIONS  
(AVAILABLE ON -.05.0 LEAD STYLE ONLY)  
(ERM8-030-05.0-X-DV-EGP SHOWN)  
(SAME AS FIG 3, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



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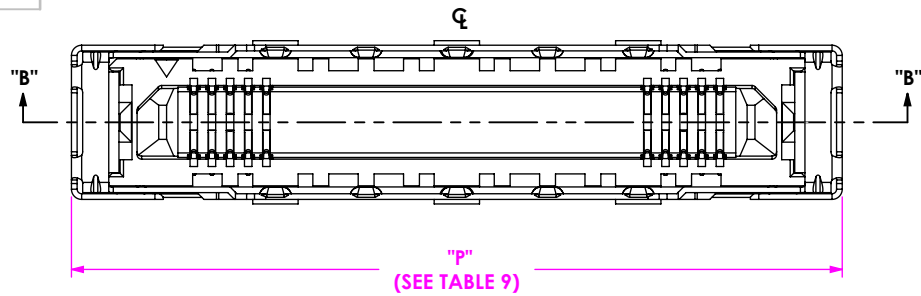
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DESCRIPTION:  
**0.8MM EDGE RATE TERMINAL ASSEMBLY**

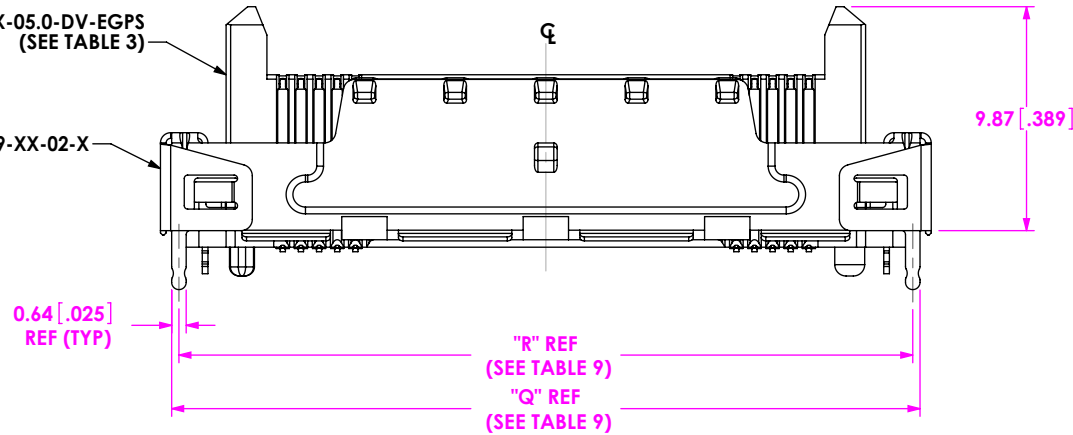
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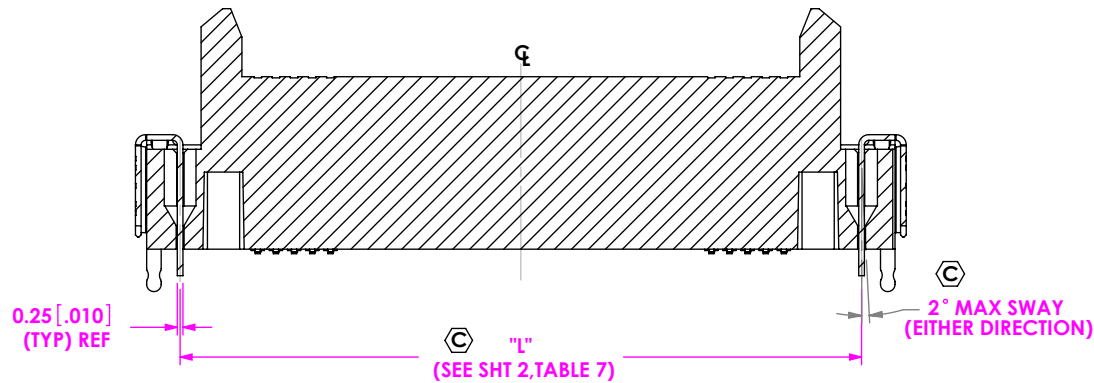
ERM8-XXX-05.0-DV-EGPS  
(SEE TABLE 3)

SH29-XX-02-X



0.64 [.025]  
REF (TYP)

"R" REF  
(SEE TABLE 9)  
"Q" REF  
(SEE TABLE 9)



SECTION "B"-"B"

TABLE 9

No. OF POS.	"P"	"Q"	"R"
-10	18.0 [0.71]	17.00 [0.669]	16.36 [0.644]
-20	26.0 [1.02]	25.00 [0.984]	24.36 [0.959]
-25	30.0 [1.18]	29.00 [1.142]	28.36 [1.117]
-30	34.0 [1.34]	33.00 [1.299]	32.36 [1.274]

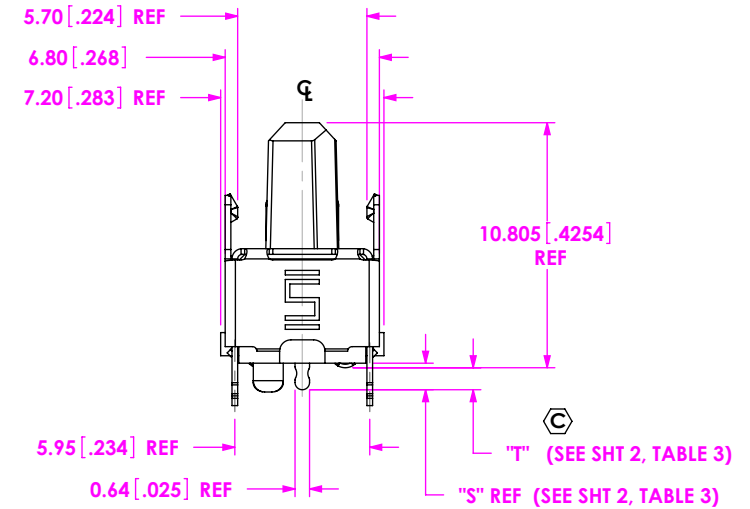


FIG 6  
-EGPS OPTIONS  
(AVAILABLE ON -05.0 LEAD STYLE ONLY)  
(ERM8-030-05.0-X-DV-EGPS SHOWN)  
(SAME AS FIG 5, EXCEPT AS SHOWN)

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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:

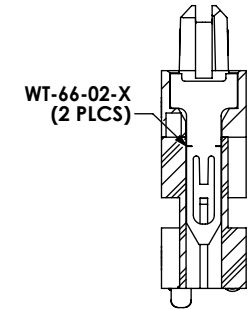
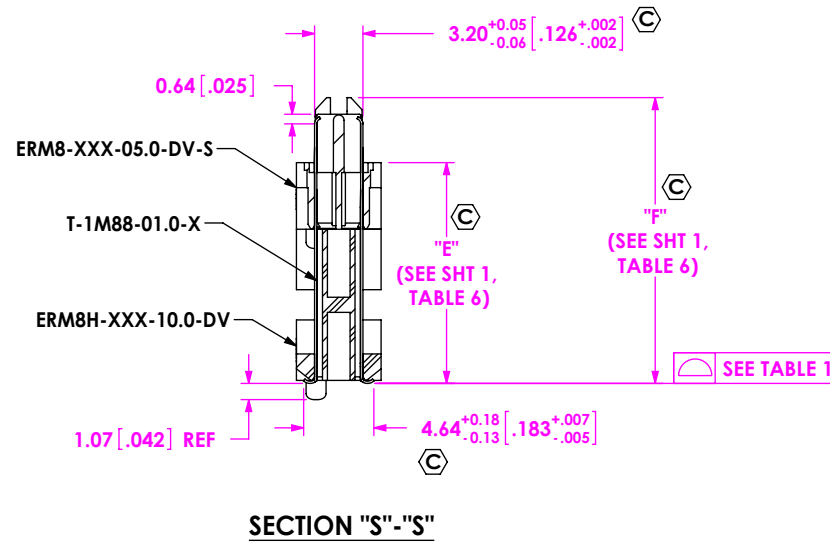
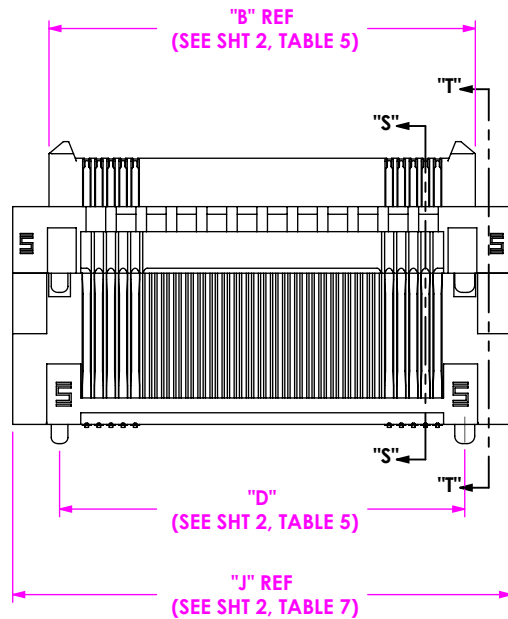
**0.8MM EDGE RATE TERMINAL ASSEMBLY**

DWG. NO.

**ERM8-XXX-XX.X-X-DV-XXXX-TR**

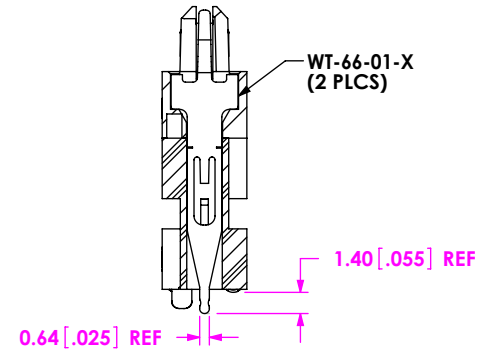
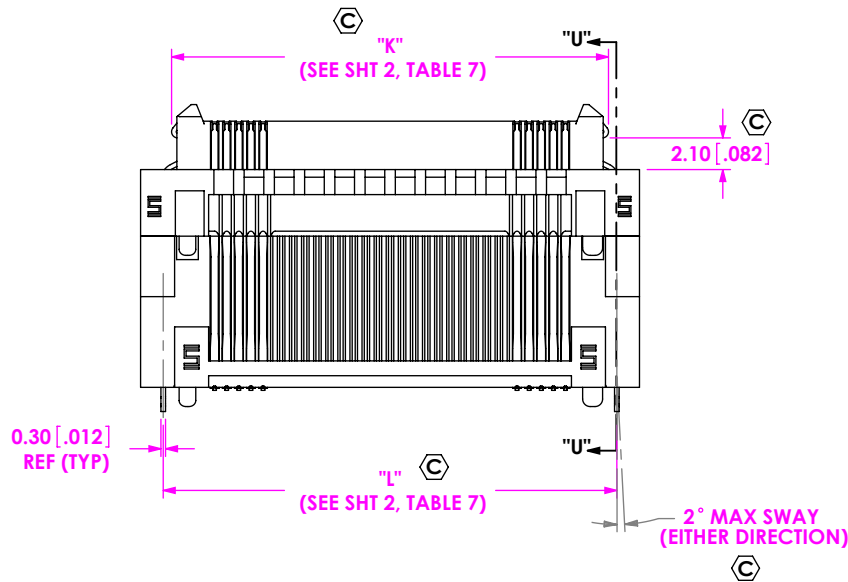
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SHEET 4 OF 6



SECTION "T"-"T"

FIG 7  
(\*\*ERM8-030-T5.0-X-DV SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)  
\*\*\*NOT TOOLED



SECTION "U"-"U"

FIG 8  
(\*\*ERM8-030-T5.0-X-DV-L SHOWN)  
(SAME AS FIG. 7, EXCEPT AS SHOWN)  
\*\*\*NOT TOOLED

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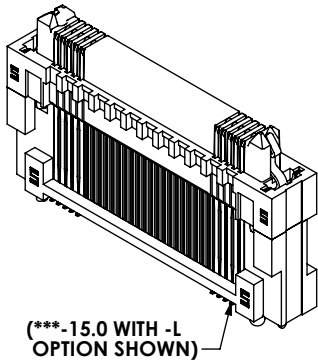
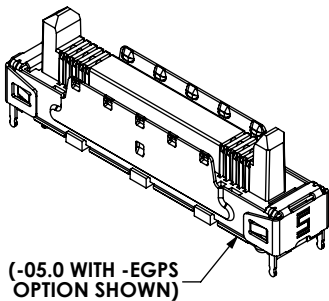
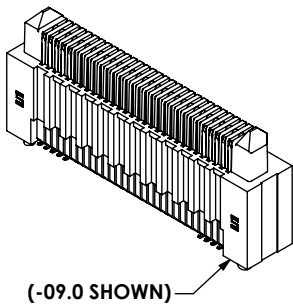
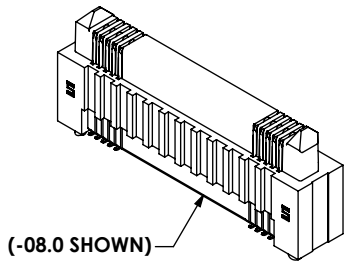
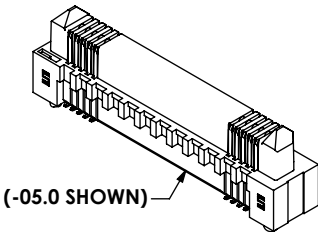
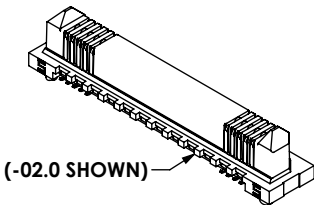
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520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
**0.8MM EDGE RATE TERMINAL ASSEMBLY**

DWG. NO.  
**ERM8-XXX-XX.X-X-DV-XXXX-TR**


BY: KNOWLDEN 9/27/2005 SHEET 5 OF 6



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