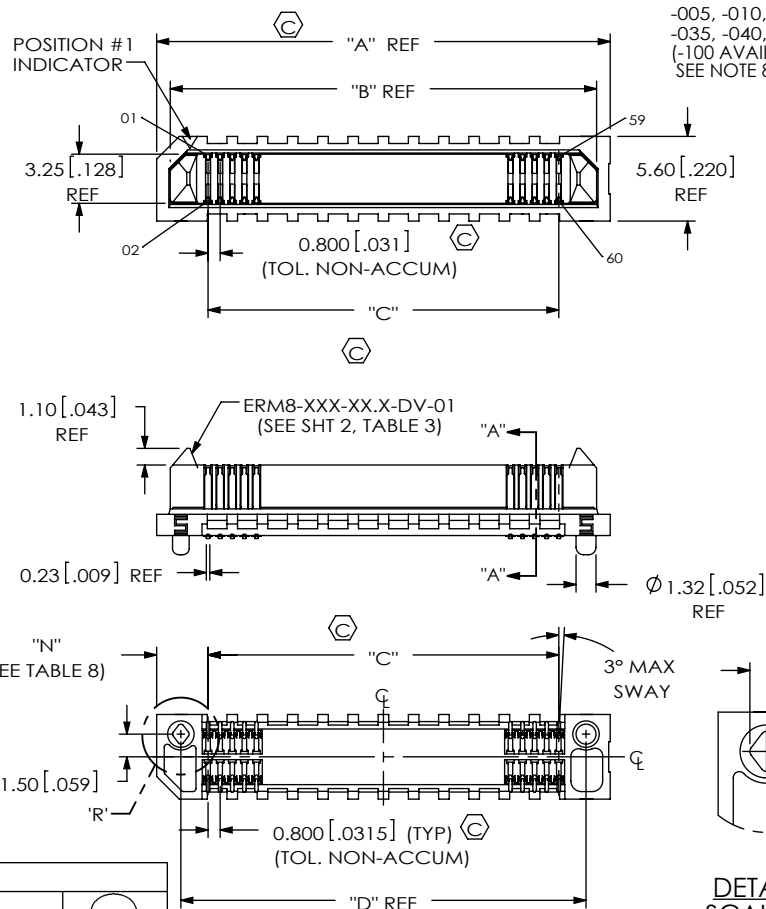


DO NOT
SCALE FROM
THIS PRINTDESIGNED AND DIMENSIONED
IN MILLIMETERS [INCHES]

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

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

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

PACKAGING

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

OPTIONS

-K: POLYIMIDE FILM PAD (SEE FIG 2, SHT 3)
(USE K-DOT-.157-.250-.005)
-DS: DIFFERENTIAL PAIR (HOT SWAP) (SEE FIG 3, SHT 2)
(AVAILABLE ONLY ON -05.0 LEAD STYLE)
(SEE TABLE 4 FOR POSITION AVAILABILITY)
-L: LATCHES (SEE FIG 4, SHT 3)
(AVAILABLE ONLY ON -05.0)
(SEE TABLE FOR AVAILABILITY) (SEE TABLE 3, SHT 2)
(NOT AVAILABLE WITH -EGP & -EGPS
OPTIONS)
-EGP: EXTENDED GUIDE POSTS (SEE FIG 5, SHT 3)
(AVAILABLE ONLY ON -05.0 LEAD STYLE)
(NOT AVAILABLE WITH -L OPTION)
-EGPS: EXTENDED GUIDE POST SHIELD
(AVAILABLE ON -05.0 & ** -09.0 LEAD STYLE,
-010, -020, -025, & -030 POS ONLY)
(NOT AVAILABLE WITH -L OPTION)
-DSP: -DS OPTION WITH -EGP: (-13 & -25 POS ONLY)
-DSS: -DS OPTION WITH -EGPS: (10 & 25 POS 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; -TY PACKAGING ONLY AVAILABLE ON -100 POSITION.
8. NOT AVAILABLE WITH -L, -EGP & -EGPS OPTIONS.

TABLE 8

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

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]

FIG 1

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

TABLE 2 (REF)

STACK HEIGHT

ERM8 LEAD STYLE	ERF8 LEAD STYLE		
	-05.0	-07.0	***-10.0
-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

(** = NOT TOOLED)

TABLE 6

HEIGHT	"E"	"F"	"G"	"U"
-02.0	1.605 [.0632]	5.965 [.2348]	5.04 [.198]	6.765 [.2663]
-05.0	4.605 [.1813]	8.905 [.3506]	7.98 [.314]	9.765 [.3844]
-08.0	7.605 [.2994]	11.905 [.4687]	10.98 [.432]	12.765 [.5026]
-09.0	8.605 [.3411]	12.905 [.5081]	11.98 [.472]	13.765 [.5419]

TABLE 5

POSITION	"A"	"B"	"C"	"D"	"H"
-005	10.00 [.394]	8.20 [.323]	3.200 [.1260]	6.80 [.268]	3.00 [.128]
-010	14.00 [.551]	12.20 [.480]	7.200 [.2835]	10.80 [.425]	5.00 [.197]
-011	14.80 [.583]	13.00 [.512]	8.000 [.3150]	11.60 [.457]	5.40 [.212]
-013	16.40 [.646]	14.60 [.575]	9.600 [.3780]	13.20 [.520]	6.20 [.244]
-020	22.00 [.866]	20.20 [.795]	15.200 [.5984]	18.80 [.740]	9.00 [.354]
-025	26.00 [1.024]	24.20 [.953]	19.200 [.7559]	22.80 [.898]	11.00 [.433]
-030	30.00 [1.181]	28.20 [1.110]	23.200 [.9134]	26.80 [1.055]	13.00 [.512]
-035	34.00 [1.339]	32.20 [1.268]	27.200 [1.0709]	30.80 [1.213]	15.00 [.590]
-040	38.00 [1.496]	36.20 [1.425]	31.200 [1.2283]	34.80 [1.370]	17.00 [.669]
-049	45.20 [1.780]	43.40 [1.709]	38.400 [1.5118]	42.00 [1.654]	20.60 [.811]
-050	46.00 [1.811]	44.20 [1.740]	39.200 [1.543]	42.80 [1.685]	21.00 [.827]
-060	54.00 [2.126]	52.20 [2.055]	47.200 [1.858]	50.80 [2.000]	25.00 [.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]

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]

* PROPRIETARY NOTE *

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MATERIAL: DO NOT SCALE DRAWING

SHEET SCALE: 2:1

INSULATOR: LCP, COLOR: BLACK
TERMINAL: PHOS BRONZE
LATCH: BeCu
SHIELD: PHOS BRONZE

DESCRIPTION:

0.8MM EDGE RATE TERMINAL ASSEMBLY

DWG. NO.

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

BY: KNOWLDEN

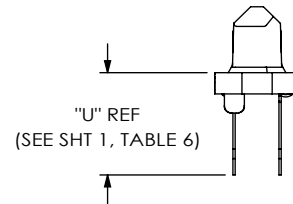
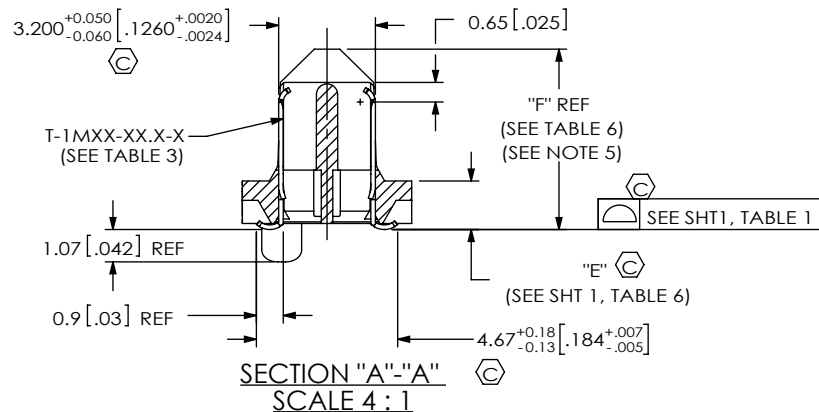
9/27/2005

SHEET 1 OF 5

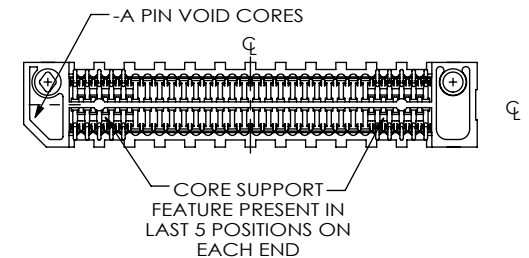
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IN-PROCESS 1



BOTTOM VIEW
(ERM8-030-09.0-X-DV-XX SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 4

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

TABLE 7

POSITION	"J"	"K"	"L"	"M"
-.005	13.00 [0.512]	8.90 [0.350]	10.00 [0.394]	4.50 [0.177]
-.010	17.00 [0.669]	12.90 [0.508]	14.00 [0.551]	6.50 [0.256]
-.011	17.80 [0.701]	13.70 [0.539]	14.80 [0.583]	6.90 [0.271]
-.013	19.40 [0.764]	15.30 [0.602]	16.40 [0.646]	7.75 [0.303]
-.020	25.00 [0.984]	20.90 [0.823]	22.00 [0.866]	10.50 [0.413]
-.025	29.00 [1.142]	24.90 [0.980]	26.00 [1.024]	12.50 [0.492]
-.030	33.00 [1.299]	28.90 [1.138]	30.00 [1.181]	14.50 [0.571]
-.035	37.00 [1.457]	32.90 [1.295]	34.00 [1.339]	16.50 [0.649]
-.040	41.00 [1.614]	36.90 [1.453]	38.00 [1.496]	18.50 [0.728]
-.049	48.20 [1.898]	44.10 [1.736]	45.20 [1.780]	22.10 [0.870]
-.050	49.00 [1.929]	44.90 [1.768]	46.00 [1.811]	22.50 [0.886]
-.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]

FIG 3

-DS WITH -L OPTION
(-DS AVAILABLE ON -.05.0 LEADSTYLE ONLY)
(-L AVAILABLE ON -.05.0 LEAD STYLE ONLY)
(ERM8-025-05.0-X-DV-DS-L SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

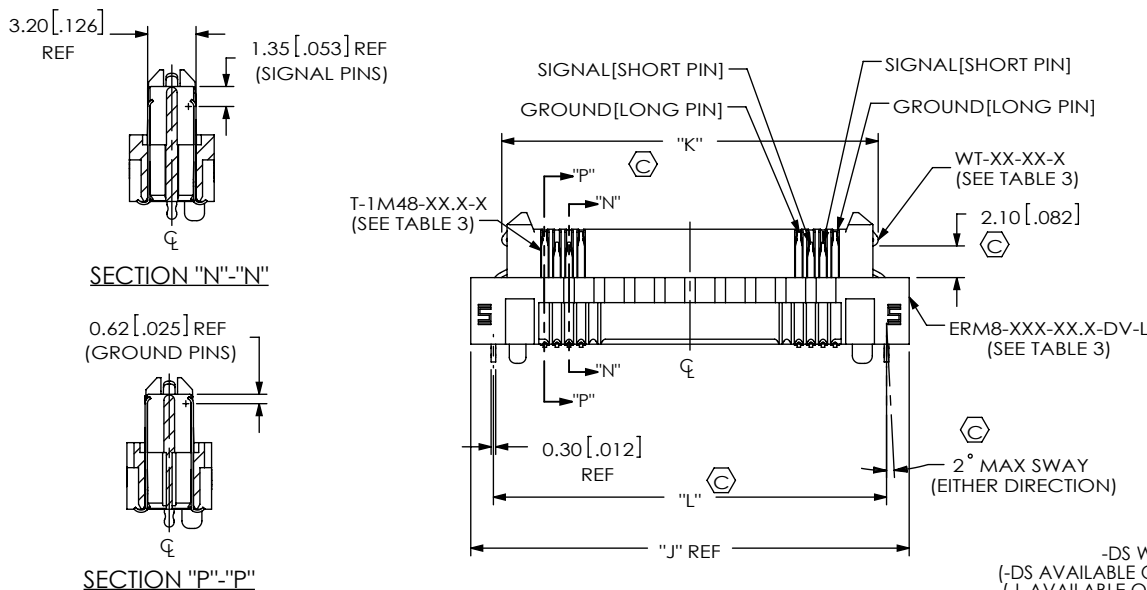


TABLE 3

OPTION	STYLE	ERM8-XXX-XX.X-DV-01	T-1MXX-XX.X-X	WT-XX-XX-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			
-DS	-.05.0	ERM8-XXX-05.0-DV-XX	T-1M48-05.0-X	N/A	1.17 [0.046]	0.97 [0.038]
-EGP		ERM8-XXX-05.0-DV-EGP	T-1M37-05.0-X			
-EGPS		ERM8-XXX-05.0-DV-EGPS	T-1M37-05.0-X			
-L		ERM8-XXX-05.0-DV-L	T-1M37-05.0-X			
**EGPS	-.09.0	ERM8-XXX-09.0-DV-EGPS	T-1M37-09.0-X	SH29-XX-06	1.17 [0.046]	0.97 [0.038]

(**= NOT RELEASED FOR PRODUCTION)

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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-XX

BY: KNOWLDEN 9/27/2005 SHEET 2 OF 5

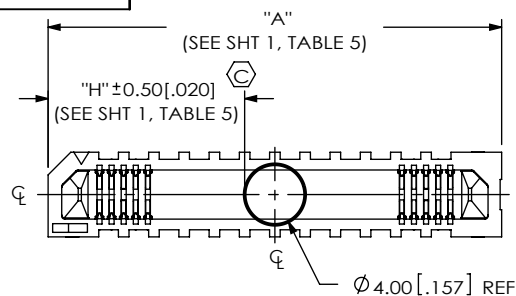


FIG 2
-K OPTION
(ERM8-030-XX.X-X-DV-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

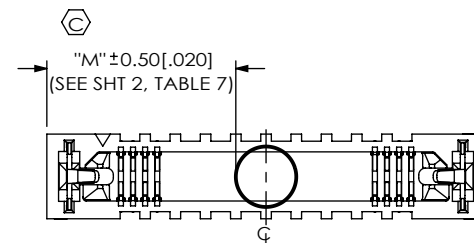
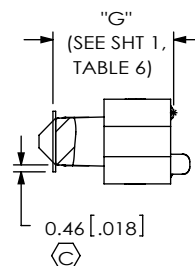


FIG 4
-K WITH -L OPTION
(ERM8-025-05.0-X-DV-K-L SHOWN)
(SAME AS FIG 2, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

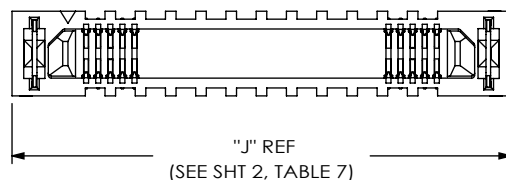
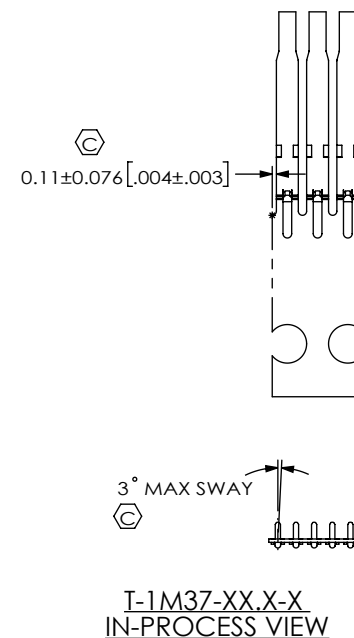
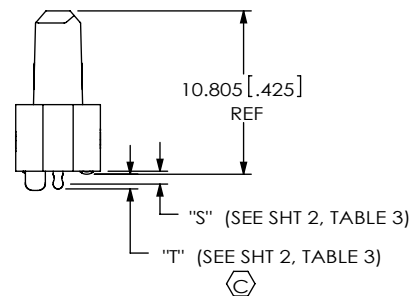
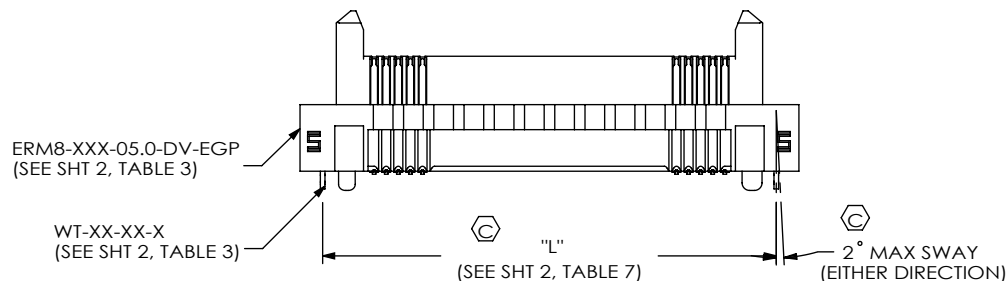


FIG 5
-EGP OPTION
(AVAILABLE ON -05.0 LEAD STYLE ONLY)
(ERM8-030-05.0-X-DV-EGP SHOWN)
(SAME AS FIG 3, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)



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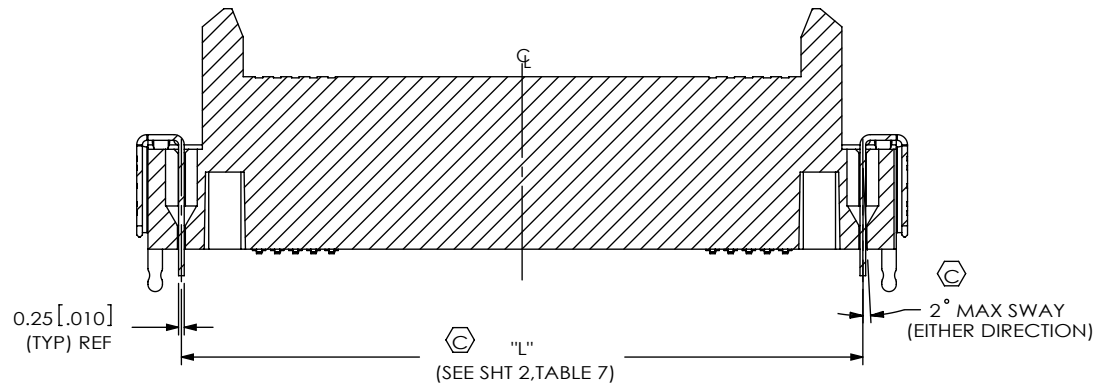
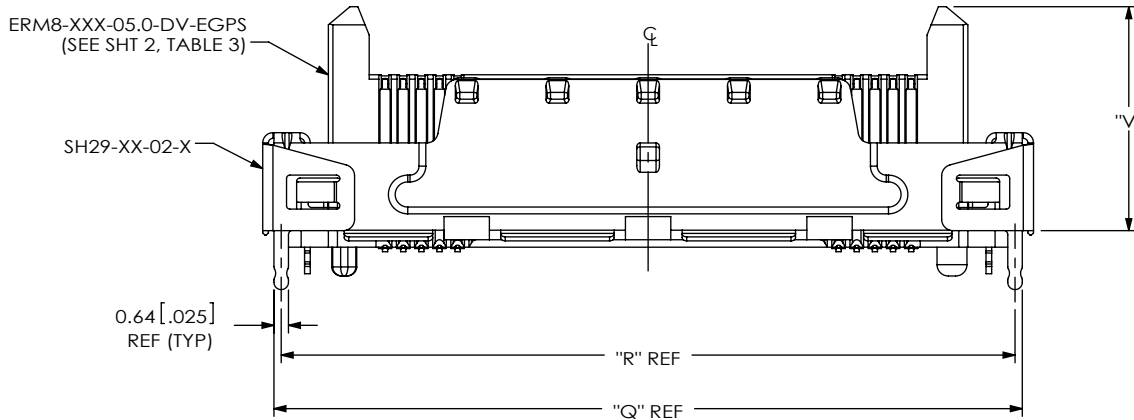
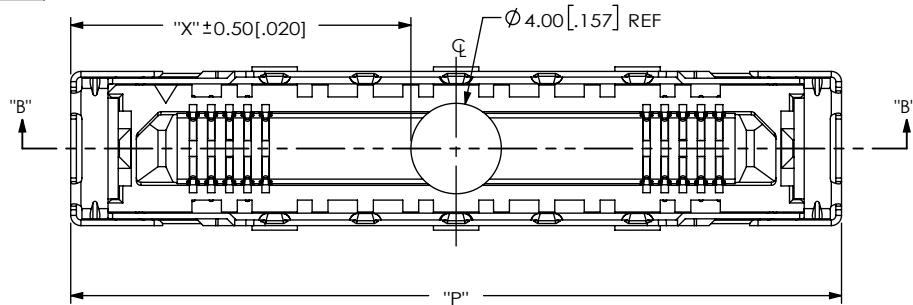
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520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
0.8MM EDGE RATE TERMINAL ASSEMBLY

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

BY: KNOWLDEN 9/27/2005 SHEET 3 OF 5



SECTION "B"-"B"

TABLE 9				
No. OF POS.	"P"	"Q"	"R"	"X"
-10	18.0 [0.71]	17.00 [0.669]	16.36 [0.644]	7.00 [0.276]
-20	26.0 [1.02]	25.00 [0.984]	24.36 [0.959]	11.00 [0.433]
-25	30.0 [1.18]	29.00 [1.142]	28.36 [1.117]	13.00 [0.512]
-30	34.0 [1.34]	33.00 [1.299]	32.36 [1.274]	15.00 [0.591]

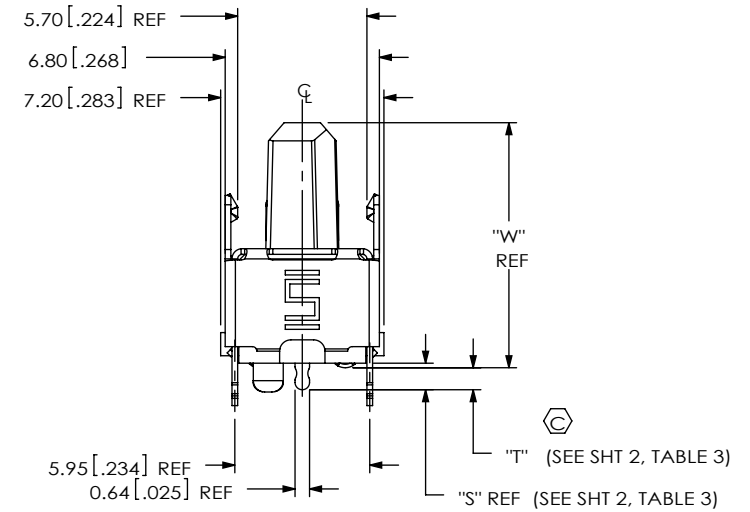
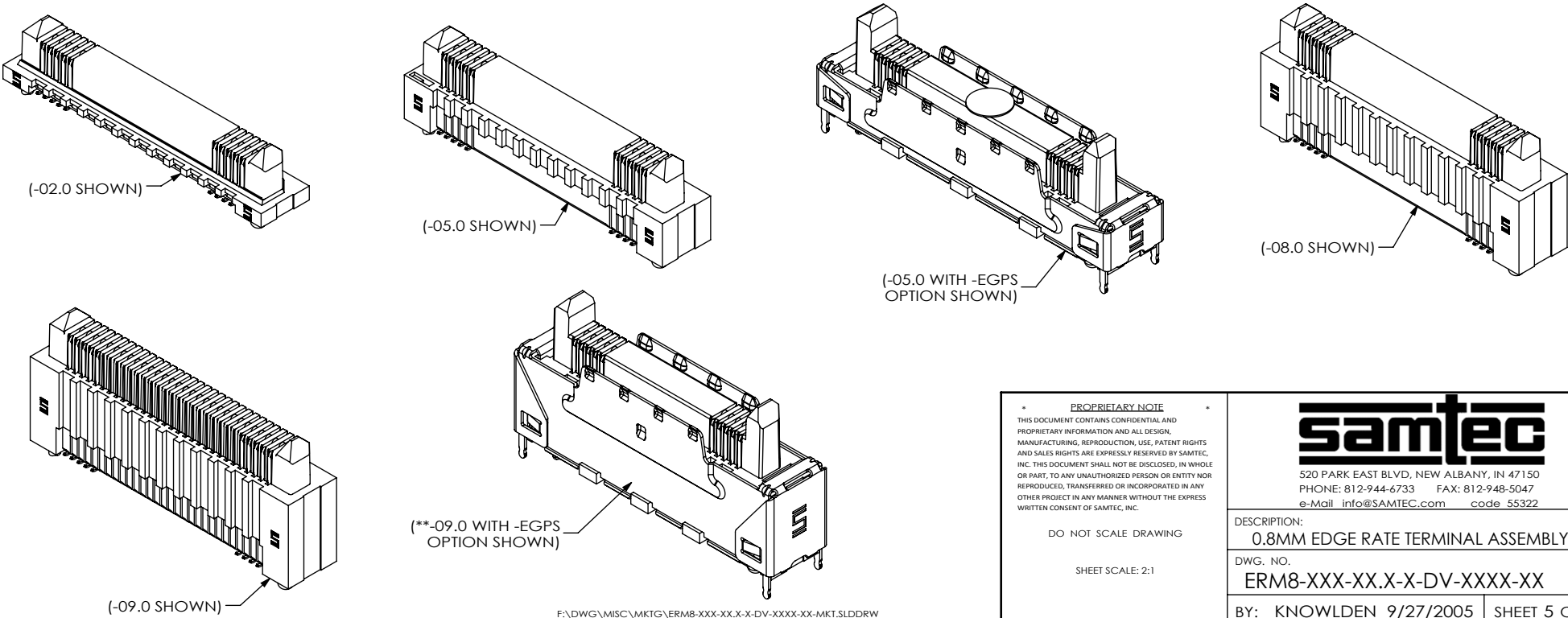
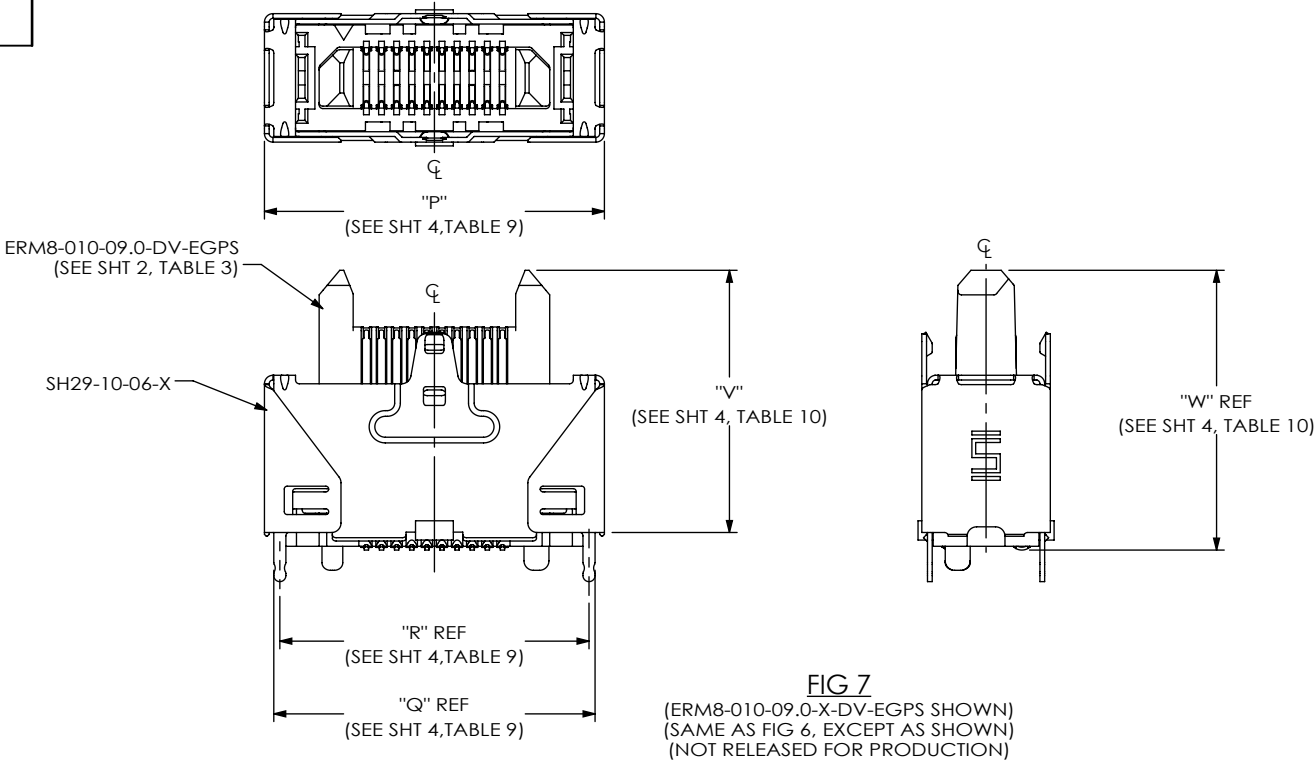


TABLE 10		
LEAD STYLE	"V"	"W"
-05.0	9.87 [.389]	10.805 [.4254]
** -09.0	13.87 [.546]	14.805 [.5829]

FIG 6
-EGPS OPTIONS
(AVAILABLE ON -05.0 & ** -09.0 LEAD STYLE,
-010, -020, -025 & -030 POS)
(ERM8-030-05.0-X-DV-EGPS SHOWN)
(SAME AS FIG 5, EXCEPT AS SHOWN)
(** = NOT RELEASED FOR PRODUCTION)

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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-XX

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