

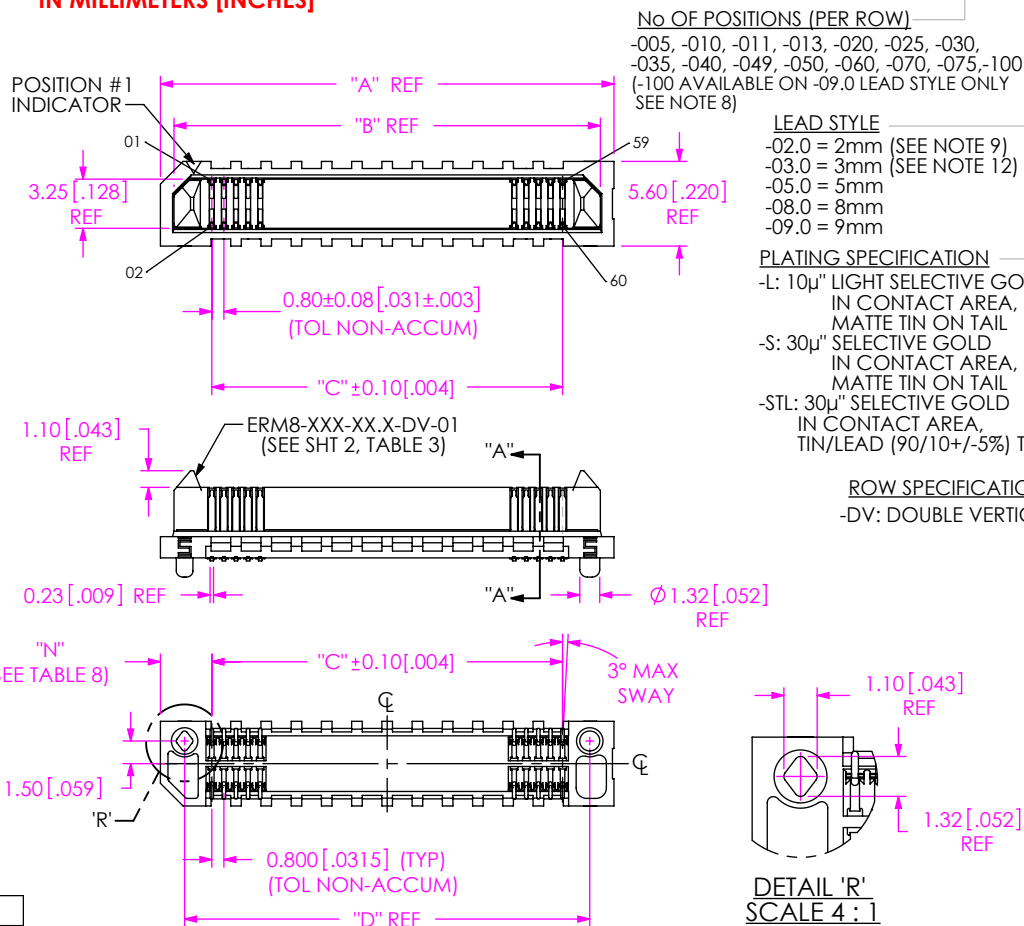
DO NOT
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FIG 1
(ERM8-030-02.0-XXX-DV-XX SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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]

NOTES:

1. REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: 0.038[.0015]
3. MINIMUM PUSHOUT FORCE: TERMINAL 2.22 N [0.5 LB.], WELD TAB 4.45 N [1 LB.]
4. -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.
5. "F" DIMENSION DOES NOT APPLY TO -EGP & -EGPS OPTION, SEE FIG. 5 & 6.
6. NOTE DELETED.
7. -TR/-FR PACKAGING NOT AVAILABLE ON THE 100 POSITION;
TRAY PACKAGING ONLY AVAILABLE ON -100 POSITION.
8. NOT AVAILABLE WITH -L, -EGP & -EGPS OPTIONS.
9. LEAD STYLE -02.0 & -03.0 WITH -K-TR OPTIONS AVAILABLE TO EXISTING CUSTOMERS ONLY.
10. FOR EGPS-K-TR COMBINATIONS LEAVE THE ZERO OFF THE FRONT OF THE LEAD STYLE CALLOUT.
11. C31 FOR ERM8-010-09.0-X-DV-EGPS ONLY.
12. -03.0 LEAD STYLE ONLY AVAILABLE FOR STANDARD, -L & -S OPTIONS.

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 (SEE NOTE 9)
-03.0 = 3mm (SEE NOTE 12)
-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
-STL: 30μ" SELECTIVE GOLD
IN CONTACT AREA,
TIN/LEAD (90/10+/-5%) TAIL

ROW SPECIFICATION

-DV: DOUBLE VERTICAL

PACKAGING

-TR: TAPE & REEL (SEE NOTES 4, 7 & 9)
-FR: FULL REEL QTY. TAPE & REEL (SEE NOTES 4 & 7)
-BLANK: TRAY (SEE NOTES 4 & 7)

OPTIONS

-K: POLYIMIDE FILM PAD (SEE NOTE 9) (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 3, SHT 2)
(AVAILABLE ONLY ON -03.0, -05.0 & -09.0)
(SEE TABLE 4 FOR AVAILABILITY) (SEE TABLE 4, SHT 2)
(NOT AVAILABLE WITH -EGP & -EGPS OPTIONS)
-S: SHIELD (SEE FIG 8, SHT 5)
(NOT AVAILABLE WITH -EGP & -EGPS)
(AVAILABLE ONLY ON -02.0, -03.0, -05.0 & -09.0 LEAD STYLES)
(-010, -020, -025 & -030-POS ONLY)
-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 STYLES)
(-010, -020, -025, & -030 POS ONLY)
(NOT AVAILABLE WITH -L OPTION)
(SEE NOTE 10)
-DSP: -DS OPTION WITH -EGP: (-13 & -25 POS ONLY)
-DSS: -DS OPTION WITH -EGPS: (10 & 25 POS ONLY)
-P: PICK AND PLACE PAD
(AVAILABLE ON -02.0, -03.0 AND -05.0 LEAD STYLES ONLY)
(-020 THRU -075 POSITIONS USE PPP-87) (SEE TABLE 12, SHT 6)
(-005 THRU -013 POSITIONS USE PPP-88) (SEE TABLE 12, SHT 6)

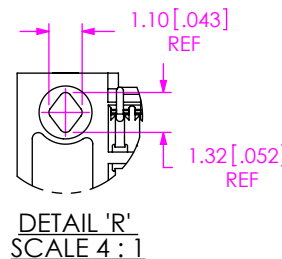


TABLE 2 (REF)			
STACK HEIGHT			
ERM8 LEAD STYLE	ERF8 LEAD STYLE		
	-05.0	-07.0	-10.0
-02.0	7.0MM	9.0MM	12.0MM
-03.0	8.0MM	10.0MM	13.0MM
-05.0	10.0MM	12.0MM	15.0MM
-08.0	13.0MM	15.0MM	18.0MM
-09.0	14.0MM	16.0MM	19.0MM

TABLE 6					
HEIGHT	"E"	"F"	"G"	"U"	"AB"
-02.0	1.605 [0.0632]	5.965 [0.2348]	5.04 [0.198]	6.765 [0.266]	6.16 [0.242]
-03.0	2.605 [0.1026]	6.965 [0.2742]	5.99 [0.236]	7.765 [0.306]	7.16 [0.282]
-05.0	4.605 [0.1813]	8.905 [0.3506]	7.98 [0.314]	9.765 [0.384]	9.16 [0.360]
-08.0	7.605 [0.2994]	11.905 [0.4687]	10.98 [0.432]	12.765 [0.503]	N/A
-09.0	8.605 [0.3388]	12.905 [0.5081]	11.98 [0.472]	13.765 [0.542]	N/A

TABLE 5					
POSITION	"A"	"B"	"C"	"D"	"H"
-005	10.00 [0.394]	8.20 [0.323]	3.20 [0.126]	6.80 [0.268]	3.00 [0.118]
-010	14.00 [0.551]	12.20 [0.480]	7.20 [0.283]	10.80 [0.425]	5.00 [0.197]
-011	14.80 [0.583]	13.00 [0.512]	8.00 [0.315]	11.60 [0.457]	5.40 [0.213]
-013	16.40 [0.646]	14.60 [0.575]	9.60 [0.378]	13.20 [0.520]	6.20 [0.244]
-020	22.00 [0.866]	20.20 [0.795]	15.20 [0.598]	18.80 [0.740]	9.00 [0.354]
-025	26.00 [1.024]	24.20 [0.953]	19.20 [0.756]	22.80 [0.898]	11.00 [0.433]
-030	30.00 [1.181]	28.20 [1.110]	23.20 [0.913]	26.80 [1.055]	13.00 [0.512]
-035	34.00 [1.339]	32.20 [1.268]	27.20 [1.071]	30.80 [1.213]	15.00 [0.591]
-040	38.00 [1.496]	36.20 [1.425]	31.20 [1.228]	34.80 [1.370]	17.00 [0.669]
-049	45.20 [1.780]	43.40 [1.709]	38.40 [1.512]	42.00 [1.654]	20.60 [0.811]
-050	46.00 [1.811]	44.20 [1.740]	39.20 [1.543]	42.80 [1.685]	21.00 [0.827]
-060	54.00 [2.126]	52.20 [2.055]	47.20 [1.858]	50.80 [2.000]	25.00 [0.984]
-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]
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

DESCRIPTION:

0.8MM EDGE RATE TERMINAL ASSEMBLY

DWG. NO.

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

BY: KNOWLDEN 9/27/2005 SHEET 1 OF 7

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail: info@SAMTEC.com code 55322

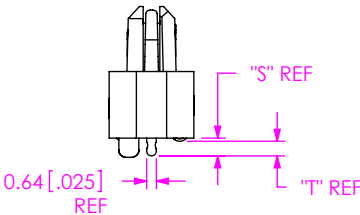
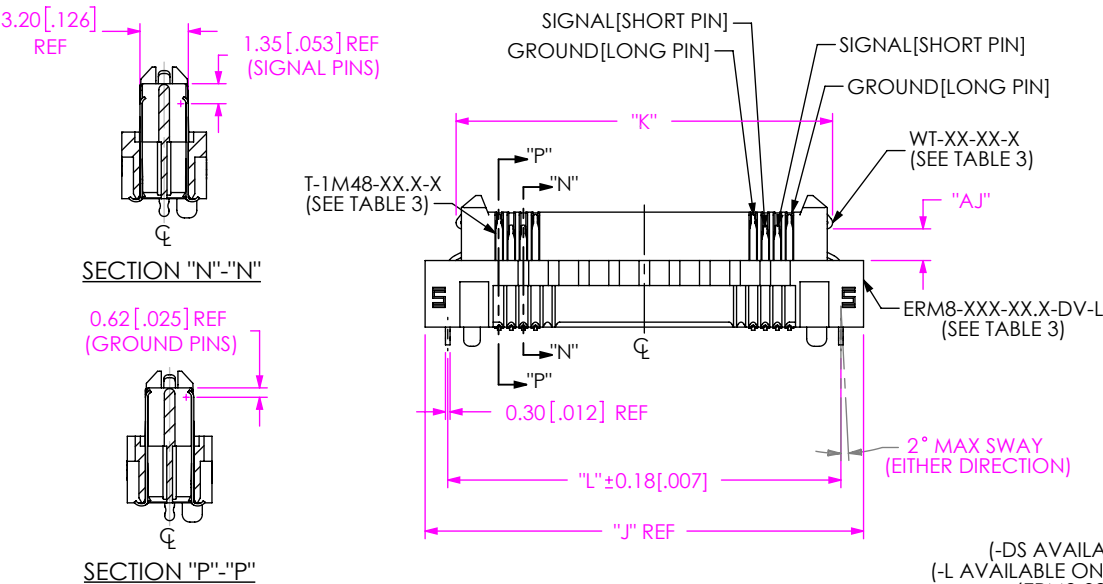
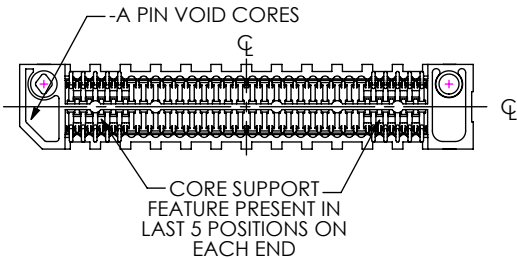
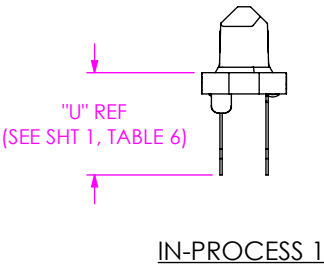
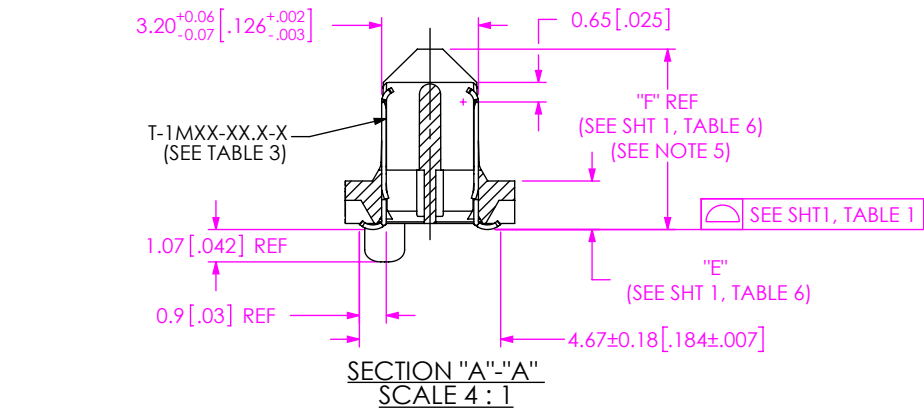


FIG 3
-DS WITH -L OPTION
(-DS AVAILABLE ON -05.0 LEAD STYLE ONLY)
(-L AVAILABLE ON -03.0, -05.0 & -09.0 LEAD STYLE ONLY)
(ERM8-025-05.0-XXX-DV-DS-L SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 4	
-DS & -L OPTION AVAILABILITY	
(-DS AVAILABLE ON -05.0 LEAD STYLE ONLY) (-L AVAILABLE ON -03.0, -05.0 & -09.0 LEAD STYLE ONLY)	
POSITION	
-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 [0.272]
-013	19.40 [0.764]	15.30 [0.602]	16.40 [0.646]	7.70 [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 [0.650]
-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 [1.280]

TABLE 3							
OPTION	STYLE	ERM8-XXX-XX.X-DV-01	T-1MXX-XX.X-X	WT-XX-XX-X	"S"	"T"	"A"J"
NONE	-02.0	ERM8-XXX-02.0-DV-01	T-1M37-02.0-X	N/A			
	-03.0	ERM8-XXX-03.0-DV-01	T-1M37-03.0-X				
	-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			
-EGP		ERM8-XXX-05.0-DV-EGP	T-1M37-05.0-X	WT-29-06-T	1.17 [0.046]	0.97 [0.038]	N/A
-EGPS		ERM8-XXX-05.0-DV-EGPS	T-1M37-05.0-X	SH29-XX-02	1.17 [0.046]	0.97 [0.038]	
-EGPS		ERM8-XXX-09.0-DV-EGPS	T-1M37-09.0-X	SH29-XX-06	1.17 [0.046]	0.97 [0.038]	
-L	-03.0	ERM8-XXX-03.0-DV-L	T-1M37-03.0-X	WT-121-01-F	1.60 [0.063]	1.40 [0.055]	2.20 [0.087]
	-05.0	ERM8-XXX-05.0-DV-L	T-1M37-05.0-X	WT-29-03-F	1.17 [0.046]	0.97 [0.038]	2.10 [0.082]
	-09.0	ERM8-XXX-09.0-DV-L	T-1M37-09.0-X	WT-29-10-F	1.60 [0.063]	1.40 [0.055]	2.10 [0.082]
	-02.0	ERM8-XXX-02.0-DV-S	T-1M37-02.0-X	SH29-XX-08	1.61 [0.063]	1.41 [0.056]	N/A
-S	-03.0	ERM8-XXX-03.0-DV-S	T-1M37-03.0-X	SH122-XX-01	1.61 [0.063]	1.41 [0.056]	
	-05.0	ERM8-XXX-05.0-DV-S	T-1M37-05.0-X	SH29-XX-02	1.17 [0.046]	0.97 [0.038]	
	-09.0	ERM8-XXX-09.0-DV-S	T-1M37-09.0-X	SH29-XX-06	1.17 [0.046]	0.97 [0.038]	

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DESCRIPTION:
0.8MM EDGE RATE TERMINAL ASSEMBLY

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

BY: KNOWLDEN 9/27/2005 SHEET 2 OF 7

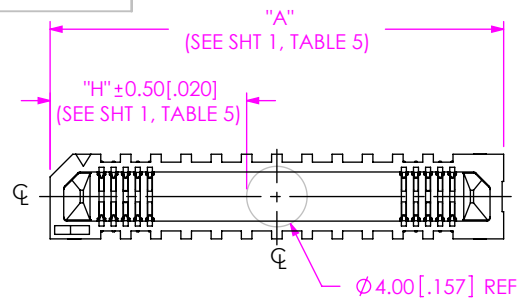


FIG 2
-K OPTION
(ERM8-030-XX.X-XXX-DV-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

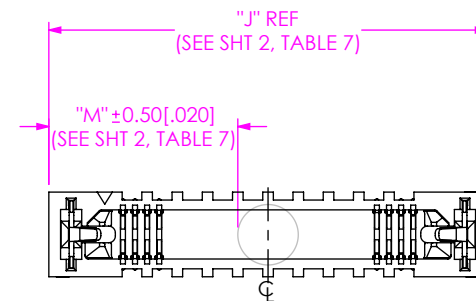
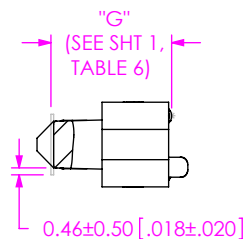


FIG 4
-K WITH -L OPTION
(ERM8-025-05.0-XXX-DV-L-K SHOWN)
(SAME AS FIG 2, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

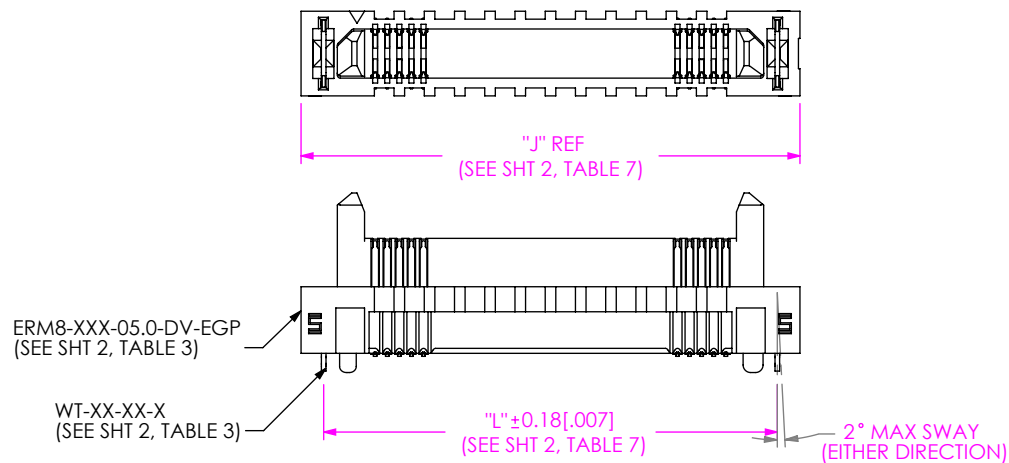
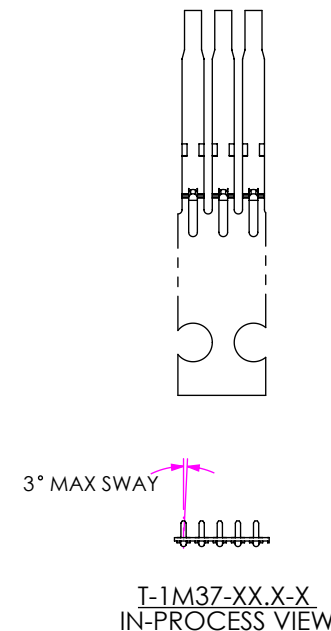
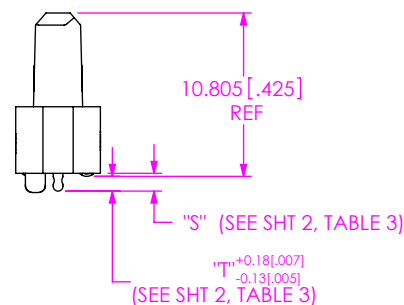


FIG 5
-EGP OPTION
(AVAILABLE ON -05.0 LEAD STYLE ONLY)
(ERM8-030-05.0-XXX-DV-EGP SHOWN)
(SAME AS FIG 3, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)



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0.8MM EDGE RATE TERMINAL ASSEMBLY

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

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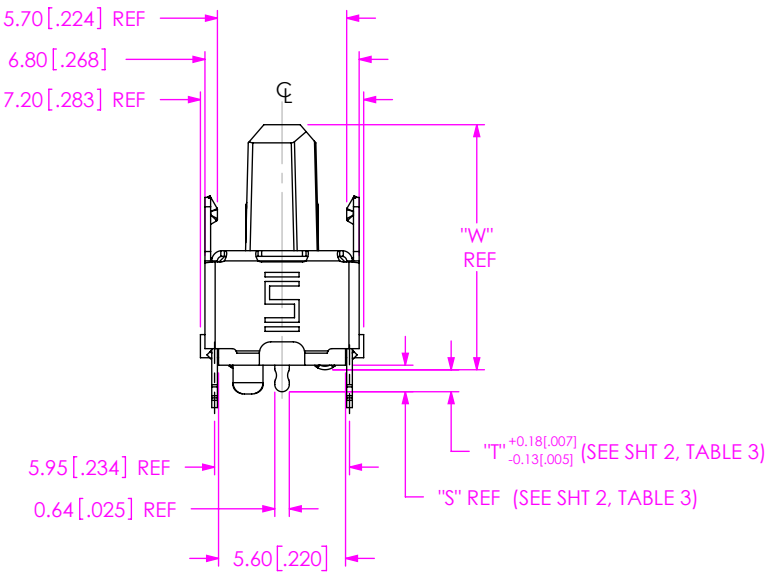
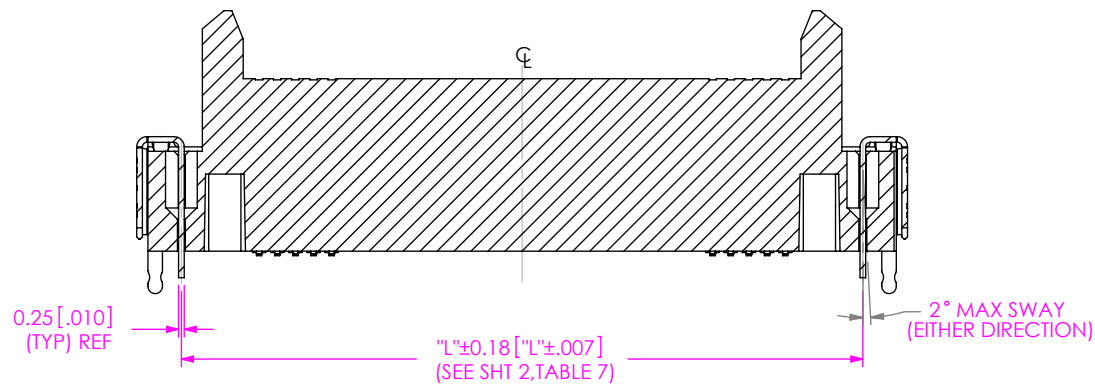
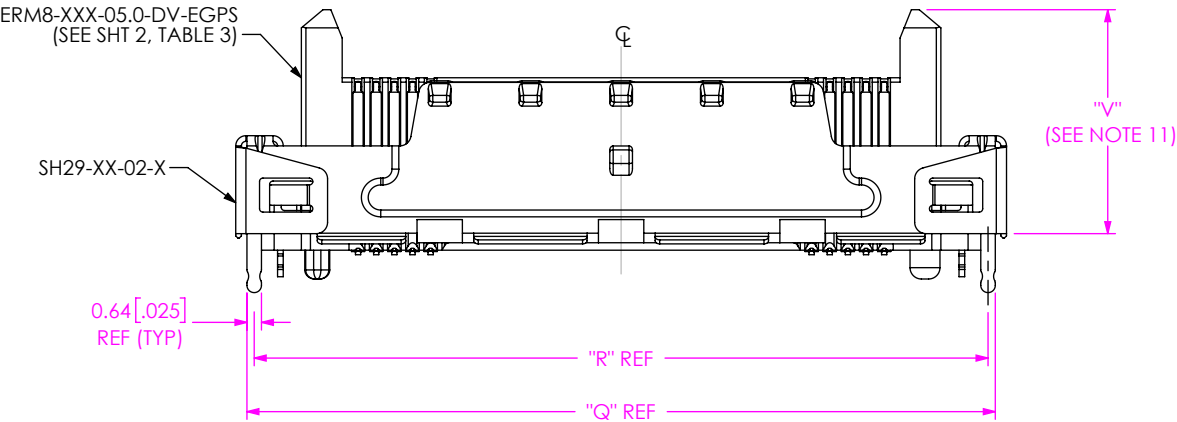
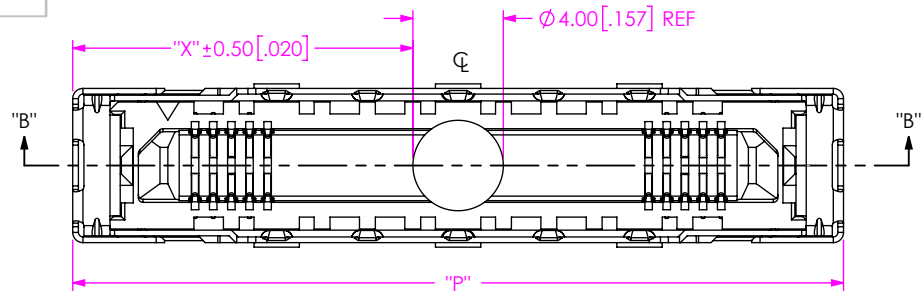


TABLE 10		
LEAD STYLE	"V"	"W"
-05.0	9.87 [.389]	10.805 [.4254]
-09.0	13.87 [.546]	14.805 [.5829]

FIG 6
-EGPS OPTIONS
(AVAILABLE ON -05.0 & -09.0 LEAD STYLE,
-010, -020, -025 & -030 POS)
(ERM8-030-05.0-XXX-DV-EGPS SHOWN)
(SAME AS FIG 5, EXCEPT AS SHOWN)

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]

SECTION "B"- "B"

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0.8MM EDGE RATE TERMINAL ASSEMBLY

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

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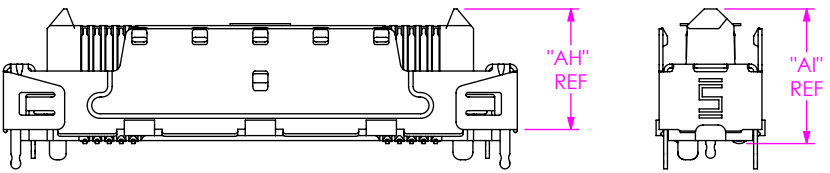
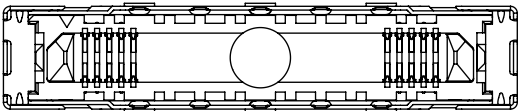
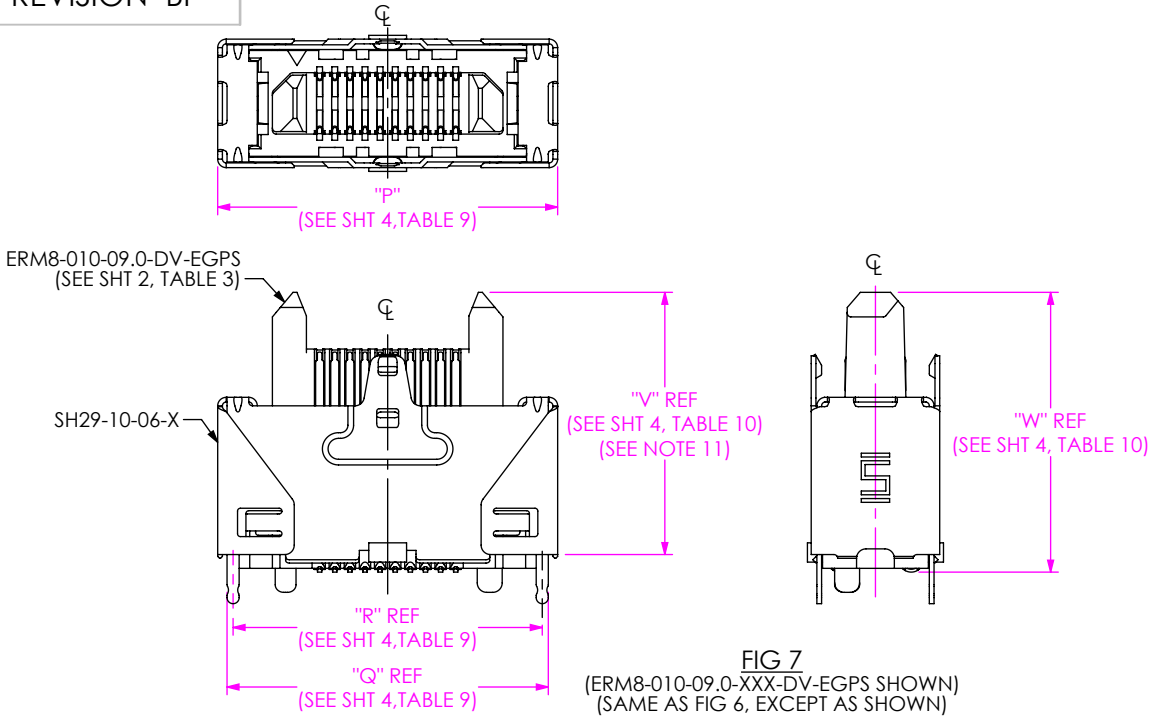


FIG 14
ERM8-030-05.0-XXX-DV-S SHOWN
(AVAILABLE ON -05.0 & -09.0 LEAD STYLE,
-010, -020, -025 & -030 POS)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)

TABLE 14		
LEAD STYLE	"AH"	"AI"
-05.0	7.97 [.314]	8.905 [.3506]
-09.0	11.97 [.471]	12.905 [.5081]

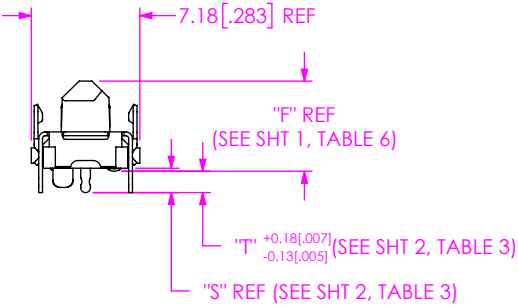
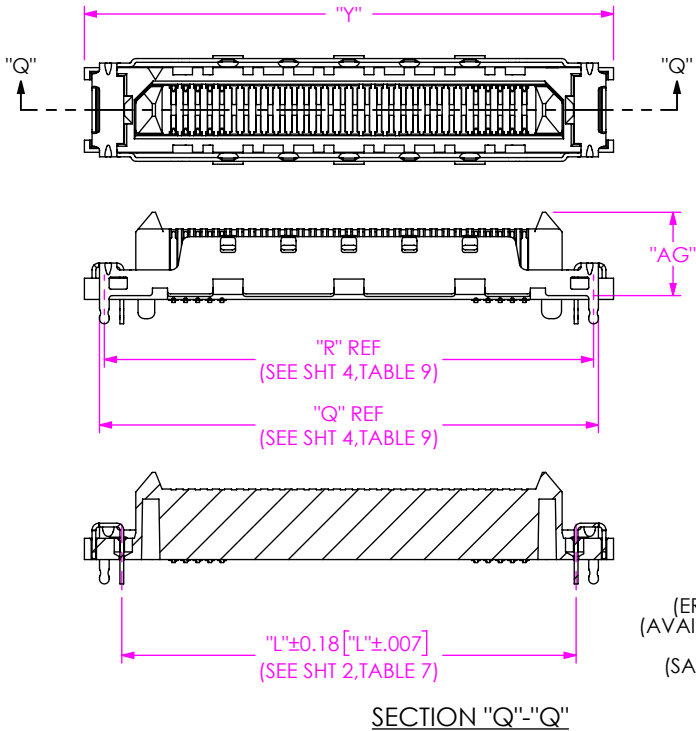


TABLE 11	
No. OF POS.	"Y"
-10	19.0 [0.75]
-20	27.0 [1.06]
-25	31.0 [1.22]
-30	35.0 [1.38]

TABLE 13	
LEAD STYLE	"AG"
-02.0	5.51 [0.217]
-03.0	6.61 [0.260]

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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
0.8MM EDGE RATE TERMINAL ASSEMBLY

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

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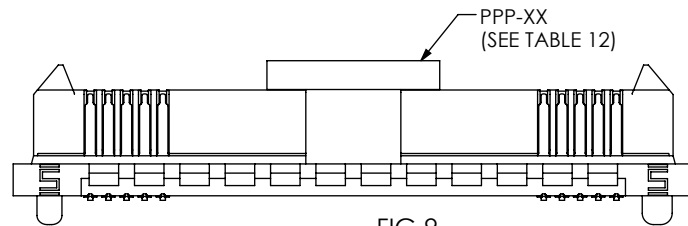
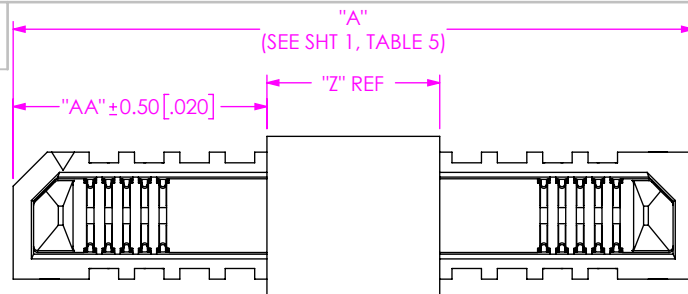


FIG 9
-P OPTION
(ERM8-030-XX.X-XXX-DV-P SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

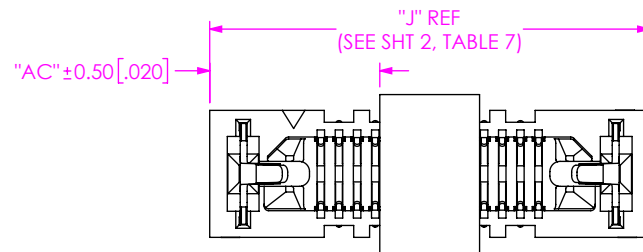
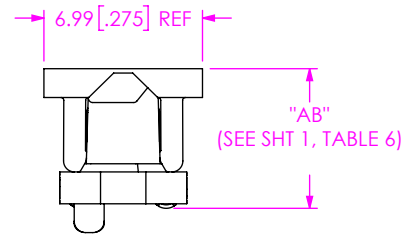


FIG 10
-P WITH -L OPTION
(ERM8-013-XX.X-XXX-DV-L-P SHOWN)
(SAME AS FIG 9, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 12

		PAD WIDTH	NONE	-L	-EGP	-EGPS	-S	
							-05.0, -09.0 LEAD STYLE	-02.0, -03.0 LEAD STYLE
POSITION	PPP-XX	"Z"	"AA"	"AC"	"AD"	"AE"	"AE"	"AF"
-005	PPP-88	4.40 [0.173]	2.80 [0.110]	4.30 [0.169]	4.30 [0.169]	N/A	N/A	N/A
-010		4.40 [0.173]	4.80 [0.189]	6.30 [0.248]	6.30 [0.248]	6.80 [0.268]	6.80 [0.268]	7.30 [0.287]
-011		4.40 [0.173]	5.20 [0.205]	6.70 [0.264]	6.70 [0.264]	N/A	N/A	N/A
-013		4.40 [0.173]	6.00 [0.236]	7.50 [0.295]	7.50 [0.295]	N/A	N/A	N/A
-020	PPP-87	7.62 [0.300]	7.19 [0.283]	8.69 [0.342]	8.69 [0.342]	9.19 [0.362]	9.19 [0.362]	9.69 [0.381]
-025		7.62 [0.300]	9.19 [0.362]	10.69 [0.421]	10.69 [0.421]	11.19 [0.441]	11.19 [0.441]	11.69 [0.460]
-030		7.62 [0.300]	11.19 [0.441]	12.69 [0.500]	12.69 [0.500]	13.19 [0.519]	13.19 [0.519]	13.69 [0.539]
-035		7.62 [0.300]	13.19 [0.519]	14.69 [0.578]	14.69 [0.578]	N/A	N/A	N/A
-040		7.62 [0.300]	15.19 [0.598]	16.69 [0.657]	16.69 [0.657]	N/A	N/A	N/A
-049		7.62 [0.300]	18.79 [0.740]	20.29 [0.799]	20.29 [0.799]	N/A	N/A	N/A
-050		7.62 [0.300]	19.19 [0.756]	20.69 [0.815]	20.69 [0.815]	N/A	N/A	N/A
-060		7.62 [0.300]	23.19 [0.913]	24.69 [0.972]	24.69 [0.972]	N/A	N/A	N/A
-070		7.62 [0.300]	27.19 [1.070]	28.69 [1.130]	28.69 [1.130]	N/A	N/A	N/A
-075		7.62 [0.300]	29.19 [1.149]	30.69 [1.208]	30.69 [1.208]	N/A	N/A	N/A
-100		7.62 [0.300]	N/A	N/A	N/A	N/A	N/A	N/A

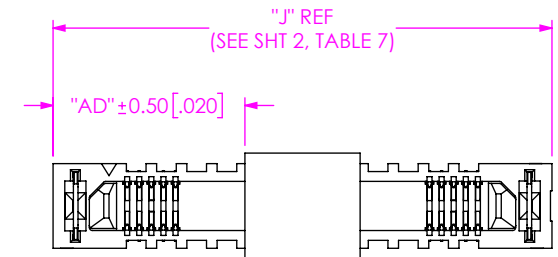


FIG 11
-P WITH -EGP OPTION
(ERM8-030-05.0-XXX-DV-EGP-P SHOWN)
(SAME AS FIG 9, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

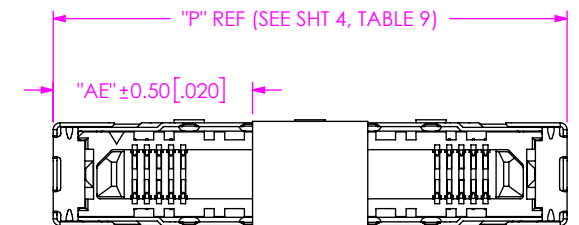


FIG 12
-P WITH -EGPS OPTION
(ERM8-030-05.0-XXX-DV-EGPS-P SHOWN)
(SAME AS FIG 9, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(ALSO APPLY TO -S OPTION ON -05.0 & -09.0 LEAD STYLES)

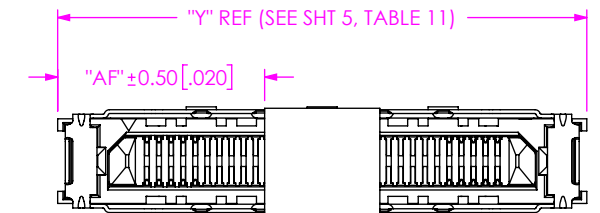


FIG 13
-P WITH -S OPTION
(ERM8-030-02.0-XXX-DV-S-P SHOWN)
(AVAILABLE ON -02.0 & -03.0 LEAD STYLES)
(SAME AS FIG 9, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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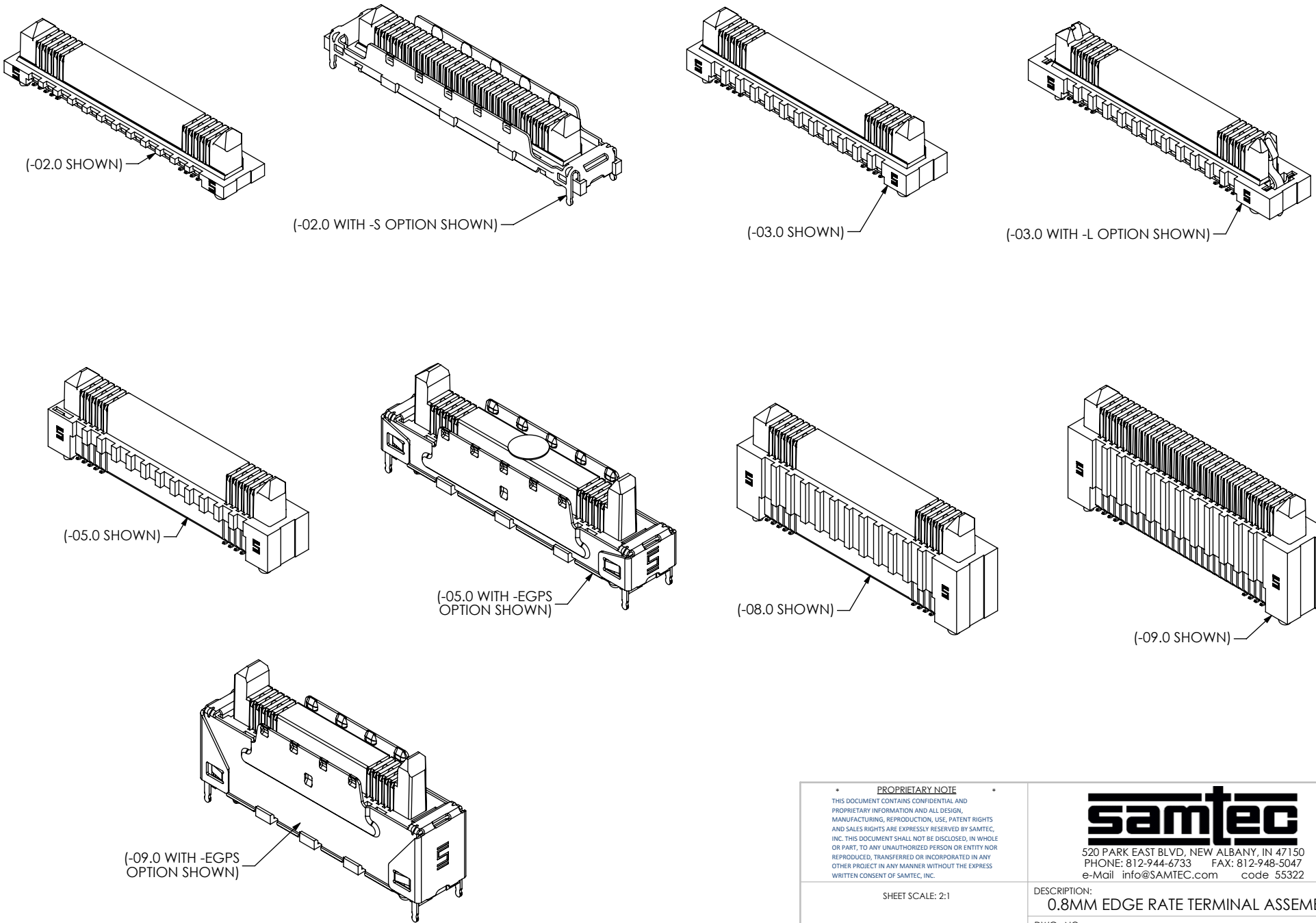
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