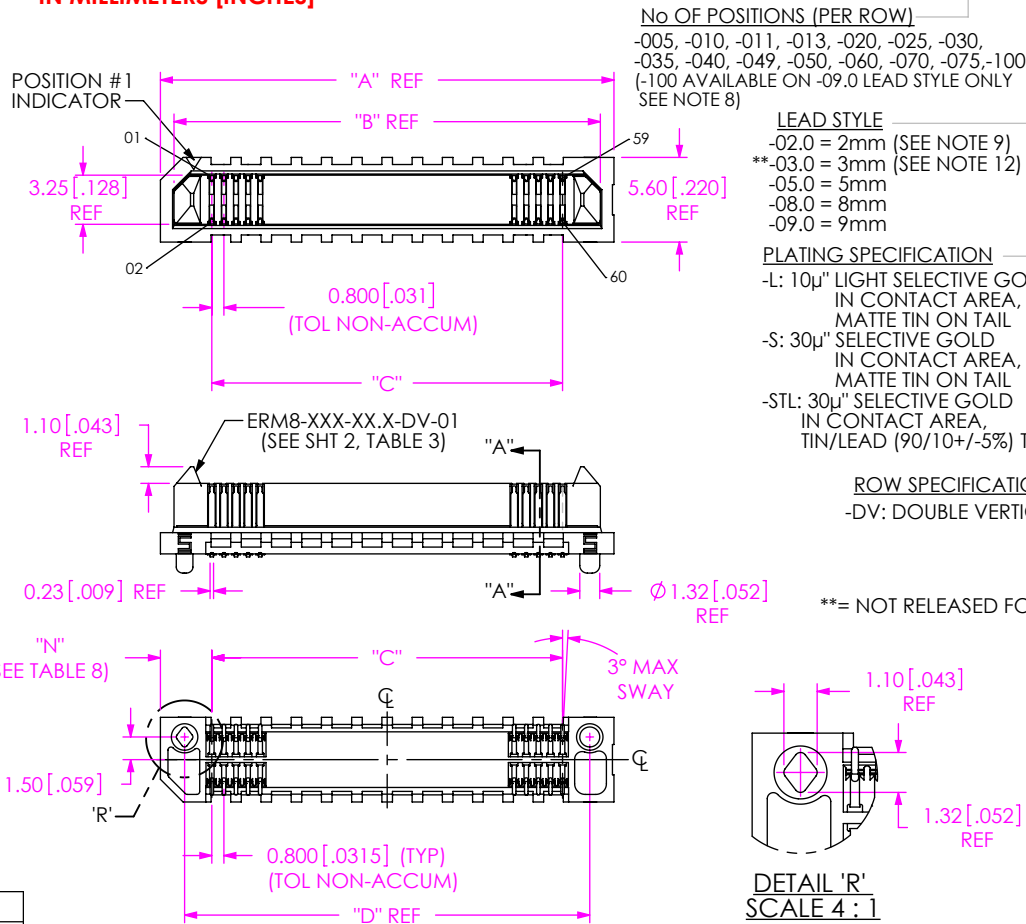


**DESIGNED AND DIMENSIONED  
IN MILLIMETERS [INCHES]**

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

DO NOT  
SCALE FROM  
THIS PRINT



OPTION	"N"
NONE	3.40 [0.134]
-L, -EGP	4.90 [0.193]

No. OF POS.	
-005, -010, -011, -013, -020, -025, -030, -035	0.10 [0.004]
-040, -049, -050, -060	0.12 [0.005]
-070, -075, -100	0.15 [0.006]

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

**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

\*\*= NOT RELEASED FOR PRODUCTION

**PACKAGING**

-TR: TAPE & REEL (SEE NOTES 4, 7 & 9)  
-LEAVE BLANK FOR TRAY: (SEE NOTE 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 4, SHT 3)  
(AVAILABLE ONLY ON \*\*-03.0, -05.0 & -09.0)  
(SEE TABLE FOR AVAILABILITY) (SEE TABLE 3, 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 LEAD STYLE)  
(-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 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)

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

\*\* = NOT RELEASED FOR PRODUCTION

POSITION	"A"	"B"	"C"	"D"	"H"
-005	10.00 [0.394]	8.20 [0.323]	3.200 [0.1260]	6.80 [0.268]	3.00 [0.118]
-010	14.00 [0.551]	12.20 [0.480]	7.200 [0.2835]	10.80 [0.425]	5.00 [0.197]
-011	14.80 [0.583]	13.00 [0.512]	8.000 [0.3150]	11.60 [0.457]	5.40 [0.213]
-013	16.40 [0.646]	14.60 [0.575]	9.600 [0.3780]	13.20 [0.520]	6.20 [0.244]
-020	22.00 [0.866]	20.20 [0.795]	15.200 [0.5984]	18.80 [0.740]	9.00 [0.354]
-025	26.00 [1.024]	24.20 [0.953]	19.200 [0.7559]	22.80 [0.898]	11.00 [0.433]
-030	30.00 [1.181]	28.20 [1.110]	23.200 [0.9134]	26.80 [1.055]	13.00 [0.512]
-035	34.00 [1.339]	32.20 [1.268]	27.200 [1.0709]	30.80 [1.213]	15.00 [0.591]
-040	38.00 [1.496]	36.20 [1.425]	31.200 [1.2283]	34.80 [1.370]	17.00 [0.669]
-049	45.20 [1.780]	43.40 [1.709]	38.400 [1.5118]	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]

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

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

**NOTES:**

1. REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: 0.038[0.0015]
3. MINIMUM PUSHOUT FORCE: TERMINAL 2.22 N [0.5 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; TRAY PACKAGING ONLY AVAILABLE ON -100 POSITION.
8. NOT AVAILABLE WITH -L, -EGP & -EGPS OPTIONS.
9. LEAD STYLE -02.0 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.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES].  
TOLERANCES ARE:  
DECIMALS ANGLES  
X.X: ±0.3 [0.1] 2°  
X.XX: ±0.13 [0.005]  
X.XXX: ±0.050 [0.0020]

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e-Mail: info@SAMTEC.com code 55322

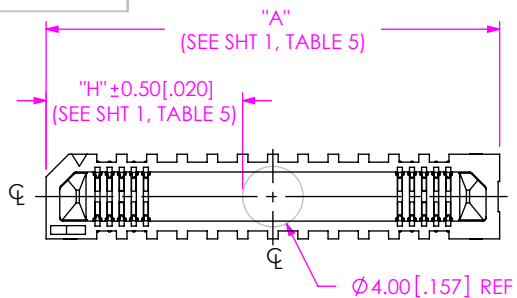
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INSULATOR: LCP, COLOR: BLACK  
TERMINAL: PHOS BRONZE  
LATCH: BeCu  
SHIELD: PHOS BRONZE

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

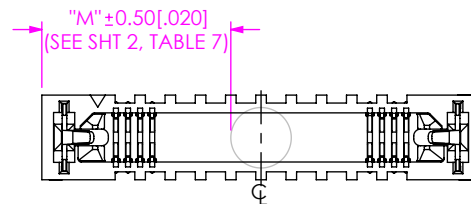
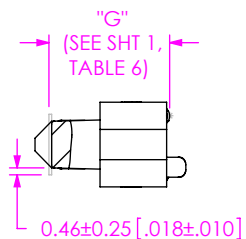
**DWG. NO.**  
ERM8-XXX-XX.X-XXX-DV-XXXX-XX

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

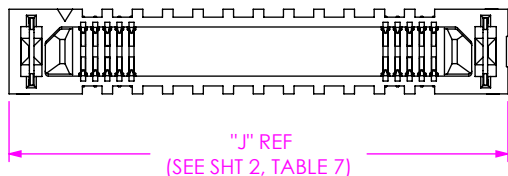




**FIG 2**  
-K OPTION  
(ERM8-030-XX.X-XXX-DV-K SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

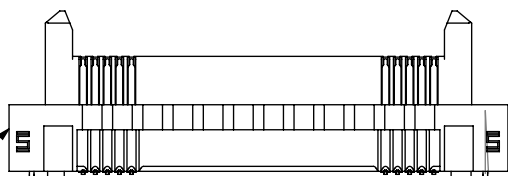


**FIG 4**  
-K WITH -L OPTION  
(ERM8-025-05.0-XXX-DV-K-L SHOWN)  
(SAME AS FIG 2, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



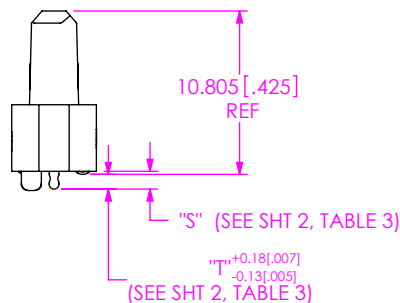
ERM8-XXX-05.0-DV-EGP  
(SEE SHT 2, TABLE 3)

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

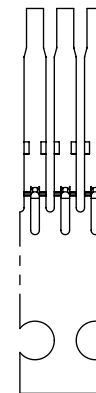


"L" ± 0.18 ["L" ± 0.007]  
(SEE SHT 2, TABLE 7)

2° MAX SWAY  
(EITHER DIRECTION)



**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)



3° MAX SWAY

T-1M37-XX.X-X  
IN-PROCESS VIEW

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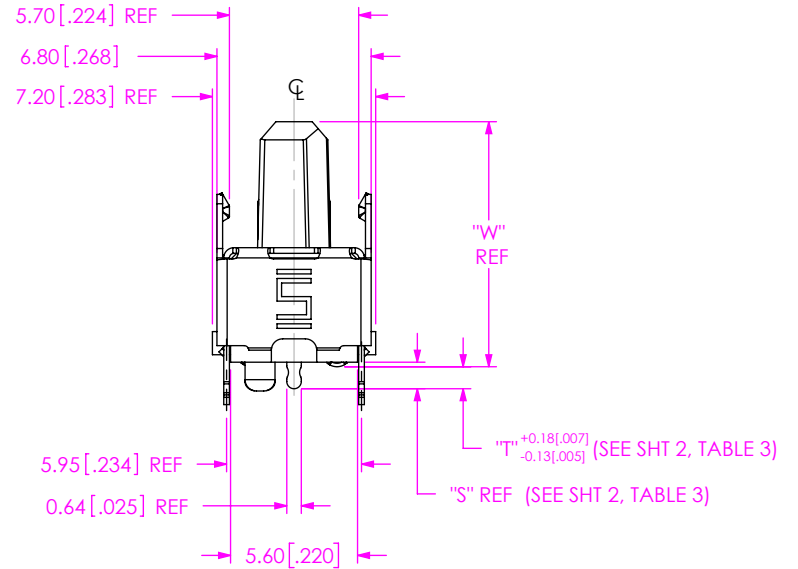
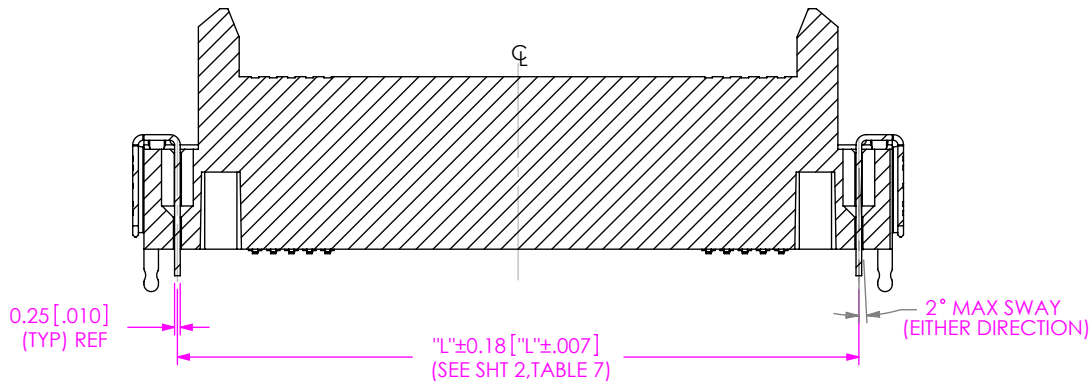
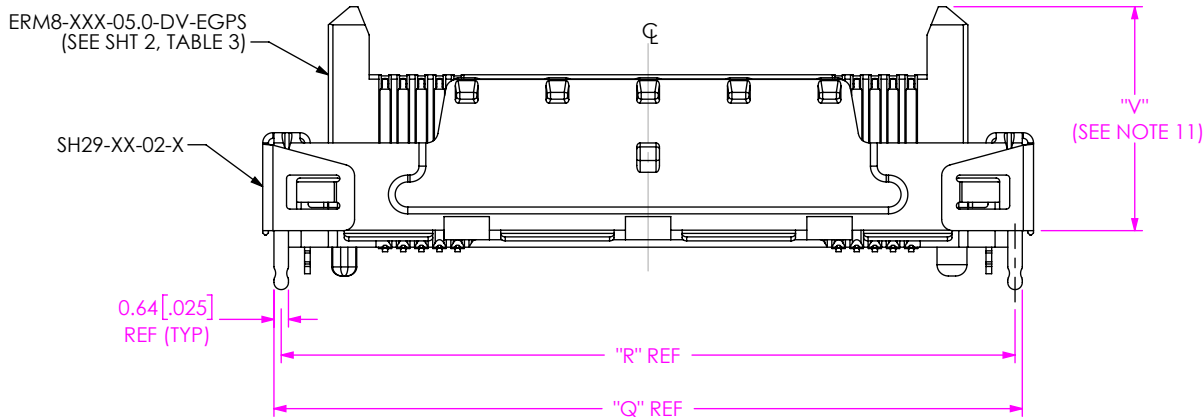
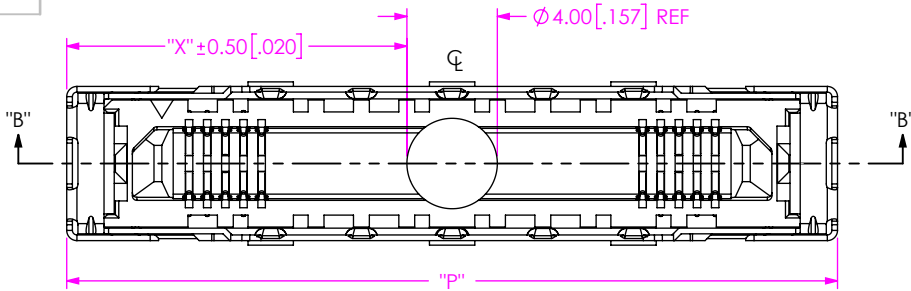
**samtec**

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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

BY: KNOWLDEN 9/27/2005 SHEET 3 OF 7



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)

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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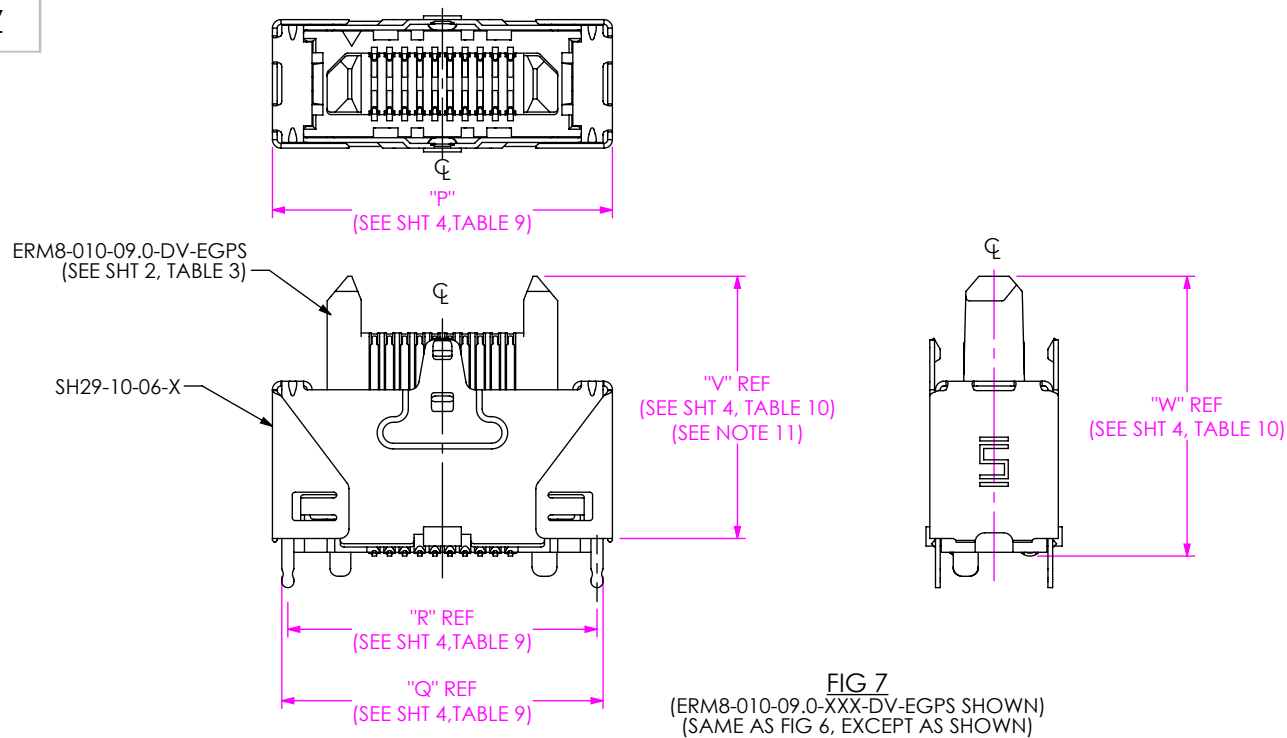


FIG 7  
(ERM8-010-09.0-XXX-DV-EGPS SHOWN)  
(SAME AS FIG 6, EXCEPT AS SHOWN)

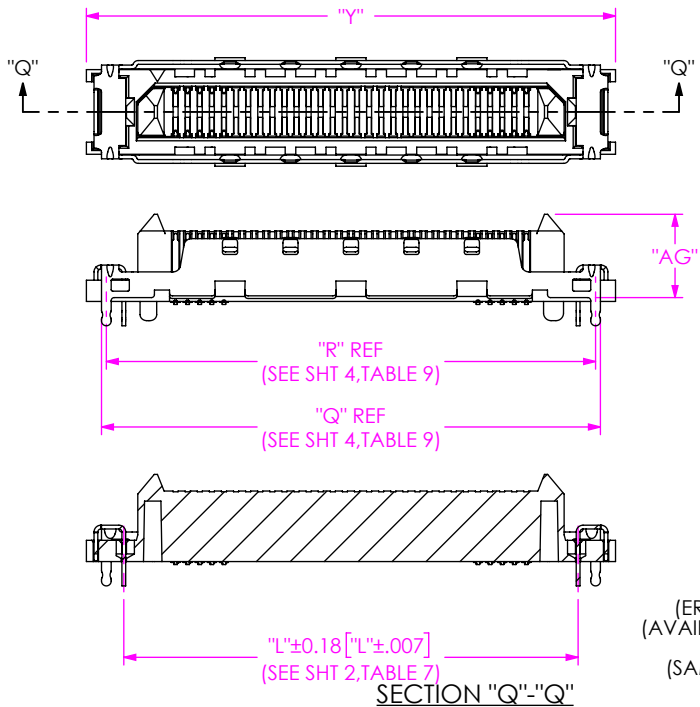
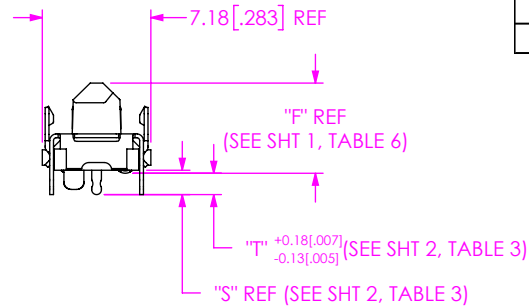


FIG 8  
(ERM8-030-02.0-XXX-DV-S SHOWN)  
(AVAILABLE ON -02.0 & -03.0 LEAD STYLE,  
-010, -020, -025 & -030 POS)  
(SAME AS FIG 6, EXCEPT AS SHOWN)

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



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

(\*\*= NOT RELEASED FOR PRODUCTION)

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SHEET SCALE: 2:1

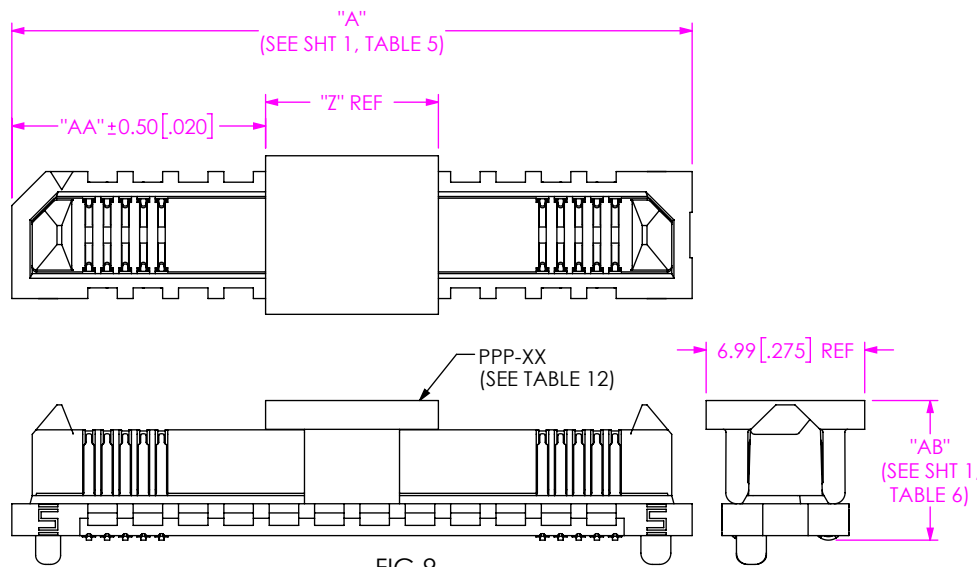


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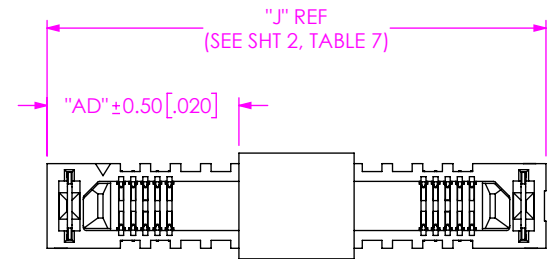
DESCRIPTION:  
0.8MM EDGE RATE TERMINAL ASSEMBLY

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

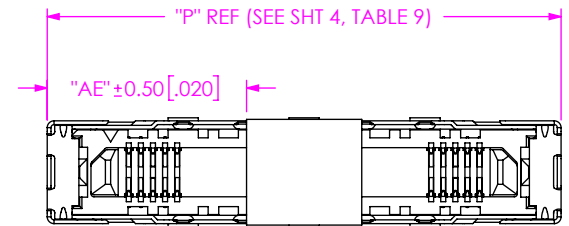
BY: KNOWLDEN 9/27/2005 SHEET 5 OF 7



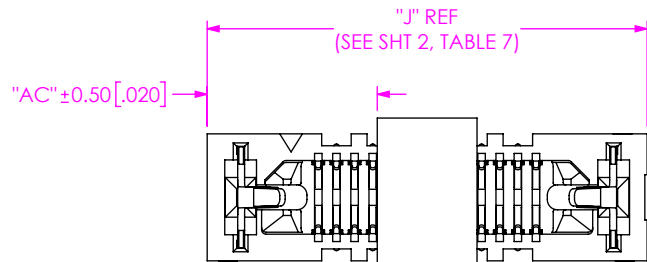
**FIG 9**  
-P OPTION  
(ERM8-030-XX.X-XXX-DV-P SHOWN)  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



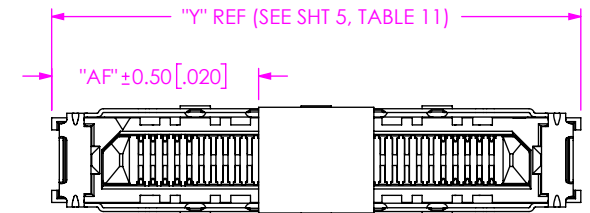
**FIG 11**  
-P WITH -EGP OPTION  
(ERM8-030-05.0-XXX-DV-EGP-P SHOWN)  
(SAME AS FIG 9, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



**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)



**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)



**FIG 13**  
-P WITH -S OPTION  
(ERM8-030-02.0-XXX-DV-S-P SHOWN)  
(SAME AS FIG 9, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

**TABLE 12**

POSITION	PPP-XX	PAD WIDTH	NONE	-L	-EGP	-EGPS	**S
		"Z"	"AA"	"AC"	"AD"	"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
-010		4.40 [0.173]	4.80 [0.189]	6.30 [0.248]	6.30 [0.248]	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
-013		4.40 [0.173]	6.00 [0.236]	7.50 [0.295]	7.50 [0.295]	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]	9.69 [0.381]
-025		7.62 [0.300]	9.19 [0.362]	10.69 [0.421]	10.69 [0.421]	11.19 [0.441]	11.69 [0.460]
-030		7.62 [0.300]	11.19 [0.441]	12.69 [0.500]	12.69 [0.500]	13.19 [0.519]	13.69 [0.539]
-035		7.62 [0.300]	13.19 [0.519]	14.69 [0.578]	14.69 [0.578]	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
-049		7.62 [0.300]	18.79 [0.740]	20.29 [0.799]	20.29 [0.799]	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
-060		7.62 [0.300]	23.19 [0.913]	24.69 [0.972]	24.69 [0.972]	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
-075		7.62 [0.300]	29.19 [1.149]	30.69 [1.208]	30.69 [1.208]	N/A	N/A
-100		7.62 [0.300]	N/A	N/A	N/A	N/A	N/A

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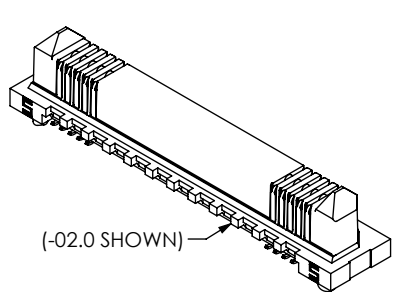
DO NOT SCALE DRAWING

SHEET SCALE: 5:1

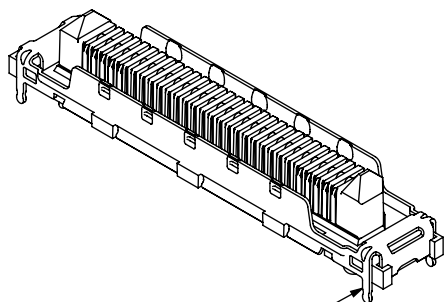
DESCRIPTION:  
0.8MM EDGE RATE TERMINAL ASSEMBLY

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

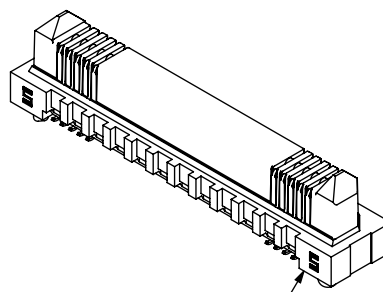
BY: KNOWLDEN 9/27/2005 SHEET 6 OF 7



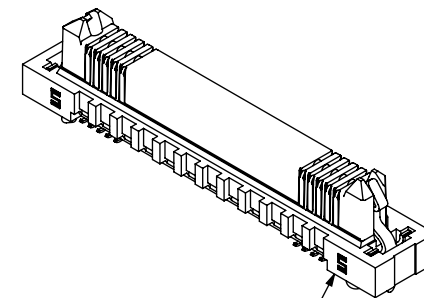
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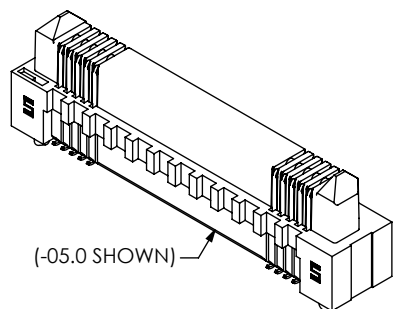
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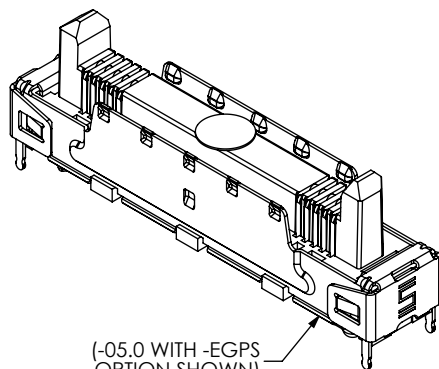
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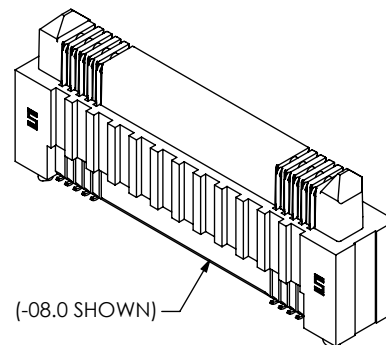
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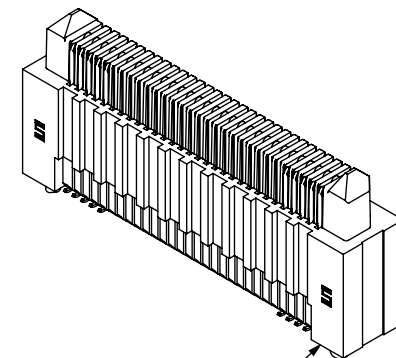
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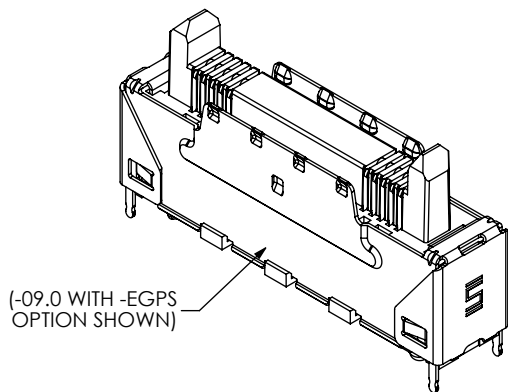
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OPTION SHOWN)



(-08.0 SHOWN)



(-09.0 SHOWN)



(-09.0 WITH -EGPS  
OPTION SHOWN)

**PROPRIETARY NOTE**

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SHEET SCALE: 2:1



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DESCRIPTION:  
0.8MM EDGE RATE TERMINAL ASSEMBLY

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

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