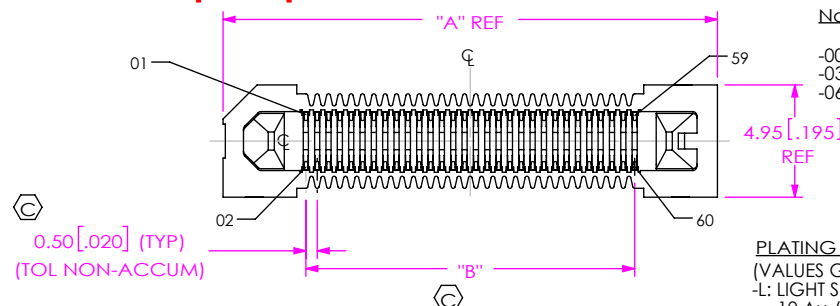


DO NOT
SCALE FROM
THIS PRINT

No. OF POSITIONS
(PER ROW)
-005, -010, -020,
-030, -040, -050,
-060, -070, -075

LEAD STYLE
-02.0 = 2MM
-04.0 = 4MM
-05.0 = 5MM

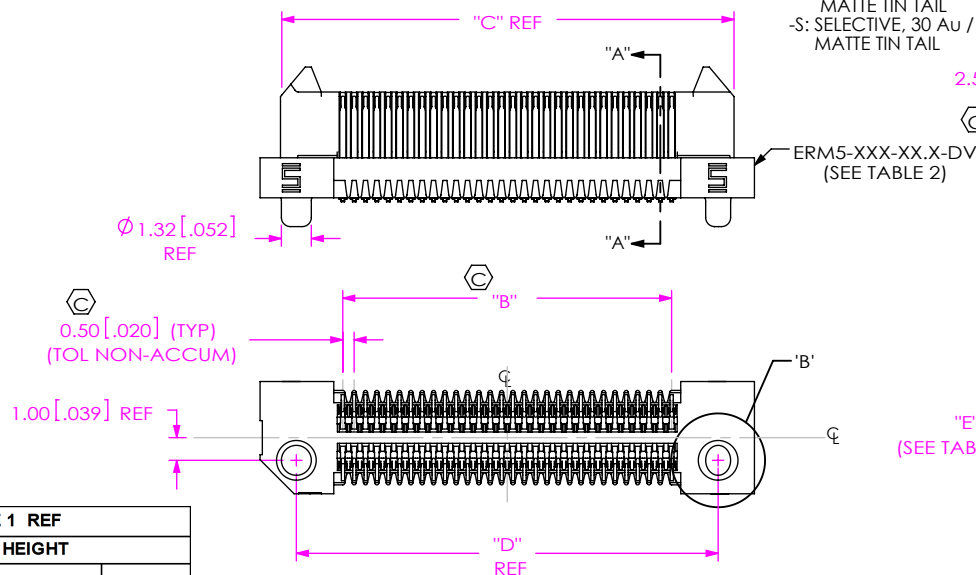
PLATING SPECIFICATION
(VALUES GIVEN ARE IN MICRO-INCHES)
-L: LIGHT SELECTIVE,
10 Au / 50 Ni MIN ON CONTACT,
MATTE TIN TAIL
-S: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT,
MATTE TIN TAIL

PACKAGING
-TR: TAPE & REEL
(SEE NOTES 5 & 6)

OPTIONS

-K: POLYIMIDE FILM PAD (SEE NOTE 6)
-FL: FRICTION LOCK (NOT AVAILABLE
WITH -WT, ONLY AVAILABLE UP TO
30 POSITIONS)
(FOR MATING WITH ERF5-XXX-XX.X-X-DV-FL)
-WT: WELD TAB (NOT AVAILABLE WITH -FL)
(FOR MATING WITH ERF5-XXX-XX.X-X-DV-WT)
-P: PICK AND PLACE PAD
(PPP-08 ONLY AVAILABLE FOR -020 THRU -075 POSITIONS)
(PPP-89 ONLY AVAILABLE FOR -005 AND -010 POSITIONS)

ROW SPECIFICATION
-DV: DOUBLE VERTICAL



2.55^{0.00}_{-0.10} [100^{+0.00}_{-0.004}]

T-1M59-XX.X-X
(SEE TABLE 2)

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

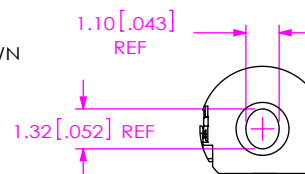
"F" REF
(SEE TABLE 6, SHT 3)

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

SEE TABLE 4

SECTION "A"-"A"
SCALE 8:1

FIG 1
ERM5-030-02.0-X-DV-XX SHOWN



DETAIL 'B'
SCALE 4:1

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: 0.038 [0.015]
3. MINIMUM PUSHOUT FORCE: 1.6 N [.36 LB.]
MINIMUM WELD TAB PUSHOUT FORCE,
-04.0 & -05.0 LEAD STYLES: 2.25 N [.51 LB.]
-02.0 LEAD STYLE: 1.45 N [.33 LB.]
4. DELETED
5. FOR QUANTITIES UP TO 49 PIECES, NO LEADER,
TRAILER, OR REEL WILL BE SUPPLIED. FOR QUANTITIES
50-124, NO LEADER OR TRAILER WILL BE SUPPLIED.
6. LEAD STYLE -02.0 WITH -K-TR OPTIONS AVAILABLE TO EXISTING CUSTOMERS ONLY.

TABLE 1 REF		
STACK HEIGHT		
ERM5 LEAD STYLE	ERF5 LEAD STYLE	
-02.0	-05.0	-07.0
-02.0	7.0MM	9MM
-05.0	10.0MM	12MM
-04.0	9.0MM	11MM

TABLE 2		
LEAD STYLE	ERM5-XXX-XX.X-DV	T-1M59-XX.X-X
-02.0	ERM5-XXX-02.0-DV	T-1M59-02.0-X
-05.0	ERM5-XXX-05.0-DV	T-1M59-05.0-X
-04.0	ERM5-XXX-04.0-DV	T-1M59-04.0-X

TABLE 3				
POSITION	"A"	"B"	"C"	"D"
-005	9.30 [0.366]	2.00 [0.079]	7.50 [0.295]	6.10 [0.240]
-010	11.80 [0.465]	4.50 [0.177]	10.00 [0.394]	8.60 [0.339]
-020	16.80 [0.661]	9.50 [0.374]	15.00 [0.591]	13.60 [0.535]
-030	21.80 [0.858]	14.50 [0.571]	20.00 [0.787]	18.60 [0.732]
-040	26.80 [1.055]	19.50 [0.768]	25.00 [0.984]	23.60 [0.929]
-050	31.80 [1.252]	24.50 [0.965]	30.00 [1.181]	28.60 [1.126]
-060	36.80 [1.449]	29.50 [1.161]	35.00 [1.378]	33.60 [1.323]
-070	41.80 [1.646]	34.50 [1.358]	40.00 [1.575]	38.60 [1.520]
-075	44.30 [1.744]	37.00 [1.457]	42.50 [1.673]	41.10 [1.618]

TABLE 4	
No. OF POS.	
-010, -020, -030, -040	0.10 [0.004]
-050, -060, -070, 075	0.13 [0.005]

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN
MILLIMETERS [INCHES].
TOLERANCES ARE:
DECIMALS ANGLES
X.X: ±0.3 [0.1]
X.XX: ±0.13 [0.005]
X.XXX: ±0.050 [0.002]

* PROPRIETARY NOTE
THIS DOCUMENT CONTAINS CONFIDENTIAL AND
PROPRIETARY INFORMATION AND ALL DESIGN,
MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS
AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC,
INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE
OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR
REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY
OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS
WRITTEN CONSENT OF SAMTEC, INC.

samtec

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

MATERIAL: DO NOT SCALE DRAWING
INSULATOR: LCP, COLOR: BLACK
TERMINAL: BeCu OR PHOS BRONZE

SHEET SCALE: 3:1

DESCRIPTION:
.5MM EDGE RATE TERMINAL ASSEMBLY

DWG. NO.

ERM5-XXX-XX.X-X-DV-XX-TR

BY: DAVID W 4/30/2008 SHEET 1 OF 3

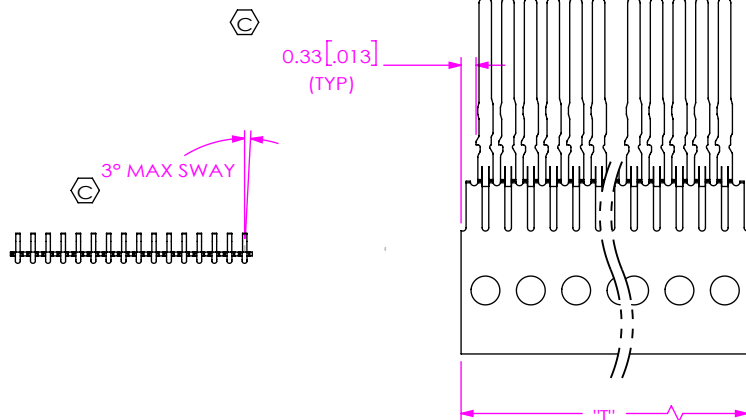


TABLE 9	
POSITION	"T"
-005	3.00 [0.118]
-010	5.50 [0.216]
-020	10.50 [0.413]
-030	15.50 [0.610]
-040	20.50 [0.807]
-050	25.50 [1.004]
-060	30.50 [1.201]
-070	35.50 [1.398]
-075	38.00 [1.496]

IN PROCESS 1
CUT T-1M59-XX.X-X TERMINAL COMBS
(ALL TAILS SAME DIRECTION)

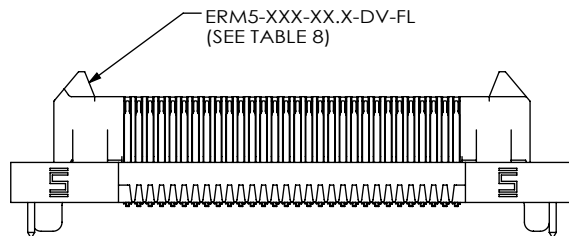


FIG 4
(ERM5-030-02.0-X-DV-WT SHOWN)
(SAME AS FIG 3)
(NOT AVAILABLE WITH -FL)

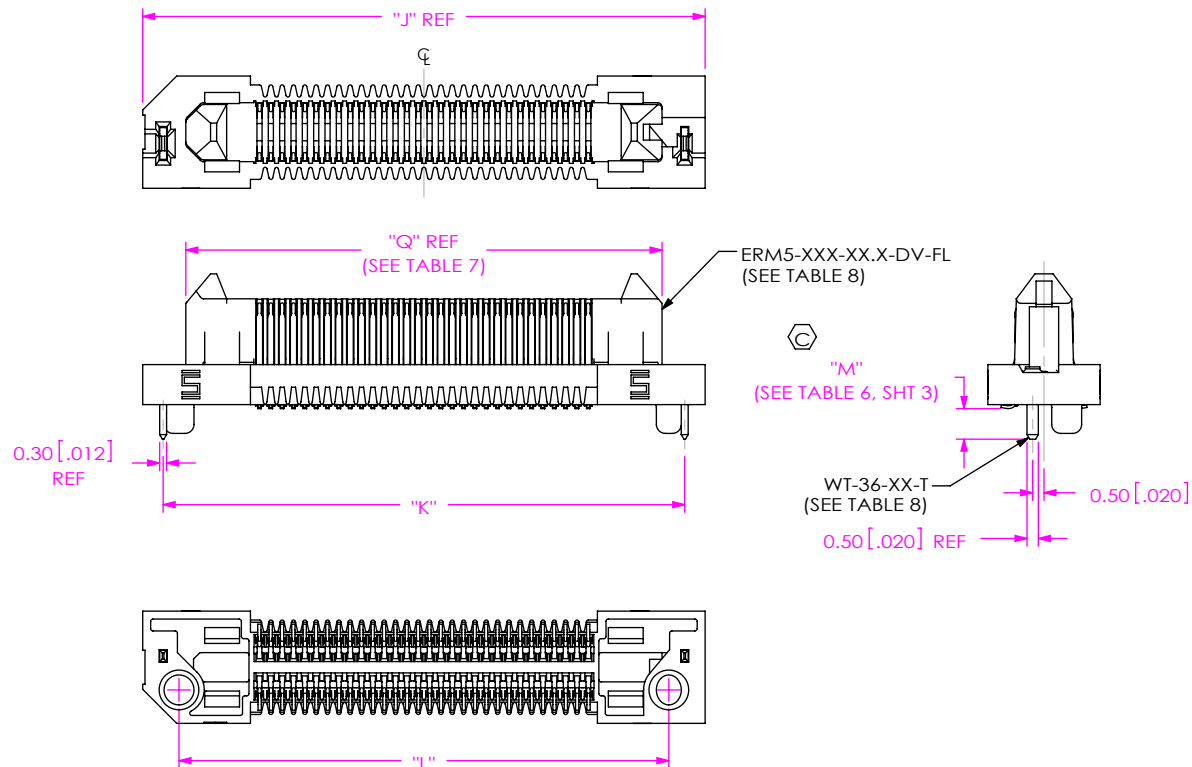


FIG 3
(ERM5-030-02.0-X-DV-FL SHOWN)
(SAME AS FIG 1 EXCEPT AS SHOWN)
(NOT AVAILABLE WITH -WT, ONLY AVAILABLE UP TO 30 POSITIONS)

TABLE 7				
POSITION	"J"	"K"	"L"	"Q"
-005	12.30 [0.484]	10.50 [0.413]	9.10 [0.358]	8.50 [0.335]
-010	14.80 [0.583]	13.00 [0.512]	11.60 [0.457]	11.50 [0.453]
-020	19.80 [0.780]	18.00 [0.709]	16.60 [0.654]	16.00 [0.630]
-030	24.80 [0.976]	23.00 [0.906]	21.60 [0.850]	21.00 [0.827]
-040	29.80 [1.173]	28.00 [1.102]	26.60 [1.047]	26.00 [1.024]
-050	34.80 [1.370]	33.00 [1.299]	31.60 [1.244]	31.00 [1.220]
-060	39.80 [1.567]	38.00 [1.496]	36.60 [1.441]	36.00 [1.417]
-070	44.80 [1.764]	43.00 [1.693]	41.60 [1.638]	41.00 [1.614]
-075	47.30 [1.862]	45.50 [1.791]	44.10 [1.736]	43.50 [1.713]

TABLE 8		
LEAD STYLE	ERM5-XXX-XX.X-DV-XX	WT-36-XX-T
-02.0	ERM5-XXX-02.0-DV-FL	WT-36-05-T
-05.0	ERM5-XXX-05.0-DV-FL	WT-36-01-T
-04.0	ERM5-XXX-04.0-DV-FL	WT-36-06-T

PROPRIETARY NOTE
THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 3:1

samtec

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

DESCRIPTION:
.5MM EDGE RATE TERMINAL ASSEMBLY

DWG. NO.
ERM5-XXX-XX.X-X-DV-XX-TR

BY: DAVID W 4/30/2008 SHEET 2 OF 3

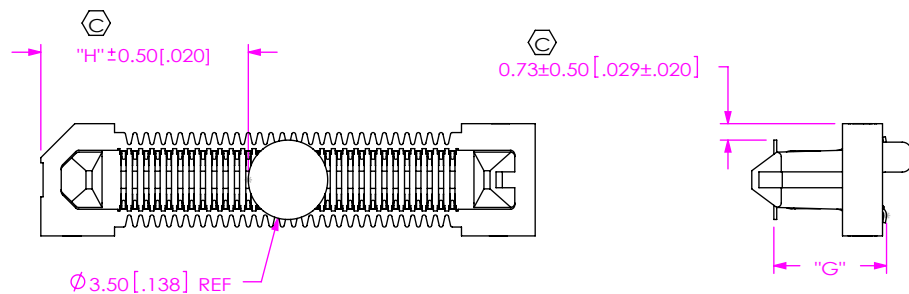


FIG 2
-K OPTION
(USE K-DOT-.138-.250-.005)
(ERM5-030-02.0-X-DV-K SHOWN)

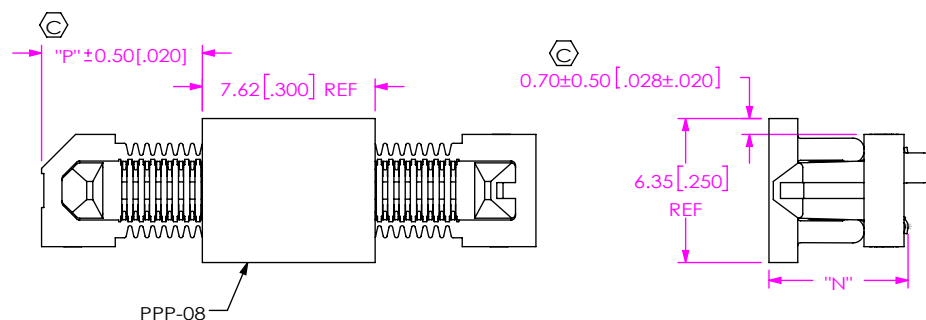


FIG 5
-P OPTION
(PPP-08 ONLY AVAILABLE FOR -.020 THRU -.075 POSITIONS)
(ERM5-030-02.0-X-DV-P SHOWN)

POSITION	"H"			"P"			"R"	
	-K	-WT-K	-FL-K	-P	-WT-P	-FL-P	-P	-WT-P
-005	2.90 [0.114]	4.40 [0.173]	4.40 [0.173]	-	-	-	2.90 [0.065]	4.40 [0.124]
-010	4.15 [0.163]	5.65 [0.222]	5.65 [0.222]	-	-	-	4.15 [0.163]	5.65 [0.222]
-020	6.65 [0.262]	8.15 [0.321]	8.15 [0.321]	4.59 [0.181]	6.09 [0.240]	6.09 [0.240]	-	-
-030	9.15 [0.360]	10.65 [0.419]	10.65 [0.419]	7.09 [0.279]	8.59 [0.338]	8.59 [0.338]	-	-
-040	11.65 [0.459]	13.15 [0.518]	-	9.59 [0.378]	11.09 [0.437]	-	-	-
-050	14.15 [0.557]	15.65 [0.616]	-	12.09 [0.476]	13.59 [0.535]	-	-	-
-060	16.65 [0.656]	18.15 [0.715]	-	14.59 [0.574]	16.09 [0.633]	-	-	-
-070	19.15 [0.754]	20.65 [0.813]	-	17.09 [0.673]	18.59 [0.732]	-	-	-
-075	20.40 [0.803]	21.90 [0.862]	-	18.34 [0.722]	19.84 [0.781]	-	-	-

LEAD STYLE	"E"	"F"	"G"	"M"	"N"	"S"
-02.0	1.94 [0.076]	4.84 [0.191]	4.97 [0.196]	1.35 [0.053]	6.11 [0.241]	5.94 [0.234]
-05.0	4.94 [0.194]	7.84 [0.309]	7.97 [0.314]	1.40 [0.055]	9.11 [0.359]	8.94 [0.352]
-04.0	3.94 [0.155]	6.84 [0.269]	6.97 [0.274]	1.12 [0.044]	8.11 [0.319]	7.94 [0.313]

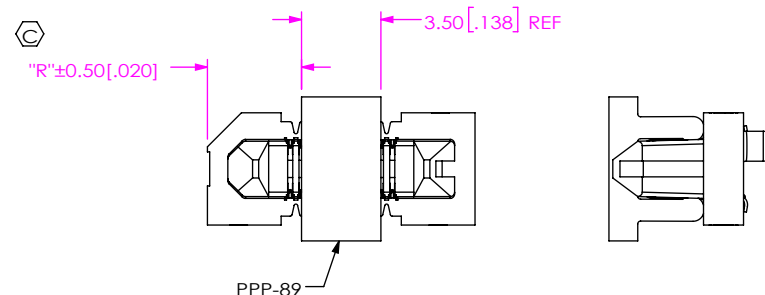


FIG 6
-P OPTION
(PPP-89 ONLY AVAILABLE FOR -.005 AND -.010 POSITIONS)
(ERM5-010-02.0-X-DV-P SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 5)

PROPRIETARY NOTE
THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 3:1

samtec

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

DESCRIPTION:
.5MM EDGE RATE TERMINAL ASSEMBLY

DWG. NO.
ERM5-XXX-XX.X-X-DV-XX-TR

BY: DAVID W 4/30/2008 SHEET 3 OF 3