



THE DATASHEET OF ESQT-116-02-S-Q-701-002

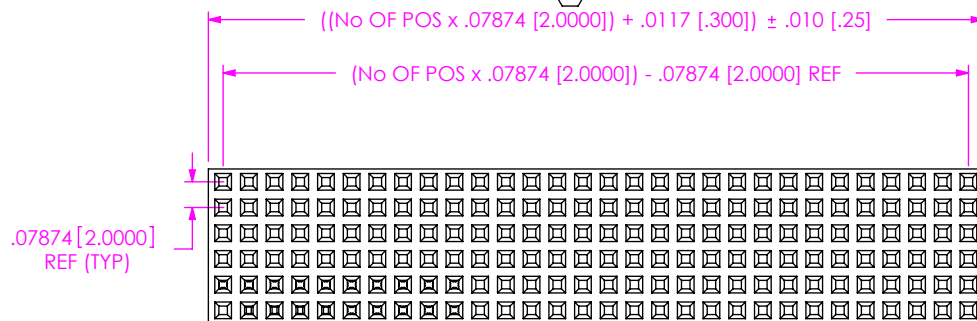
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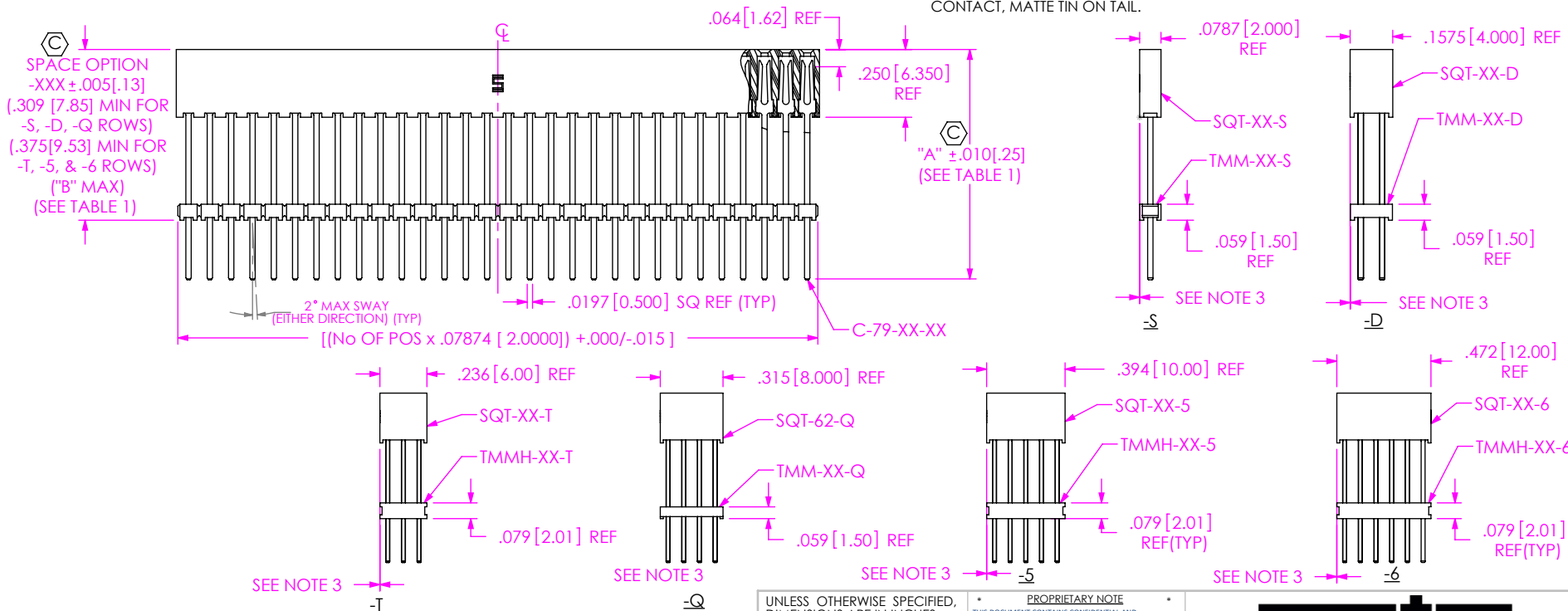
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DO NOT SCALE FROM THIS PRINT

FIG 1



**** -MW OPTION, DO NOT DESIGN IN. SAMTEC WILL ONLY SUPPORT EXISTING BUSINESS 2/07/02.**



POSITION SPECIFICATION

-02 THRU -50 POSITIONS PER ROW (SEE NOTE 1)

LEAD STYLE SPEC

-02: USE C-79-02-X
-03: USE C-79-53-X

PLATING SPECIFICATION

-F: FLASH SELECTIVE, 3 Au / 50 Ni MIN ON CONTACT, MATTE TIN ON TAIL.
-FM: FLASH SELECTIVE, 3 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL.
-L: LIGHT SELECTIVE, 10 Au / 50 Ni MIN ON CONTACT, MATTE TIN ON TAIL.
-LM: LIGHT SELECTIVE, 10 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL.
-G: GOLD, 20 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL.
-GF: LIGHT GOLD: 15 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL (-02 LEAD STYLE ONLY).
-H: HEAVY GOLD: 30 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL.
-S: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT, MATTE TIN ON TAIL.
-SM: SELECTIVE: 30 Au / 50 Ni MIN ON CONTACT, MATTE TIN ON TAIL.
-M: MEDIUM SELECTIVE, 20 Au / 50 Ni MIN ON CONTACT, MATTE TIN ON TAIL.
-MM: MEDIUM SELECTIVE: 20 Au / 50 Ni MIN ON CONTACT, MATTE TIN ON TAIL.

OPTION

** -MW: METAL WASHER (SEE FIG.2 SHT.2) (5 POS MIN, 30 POS MAX) (USE TMMH-XX-D-XX BODY N/A ON -S ROW SPEC) (.090 [2.29] MIN, .300 [7.62] MAX TAIL FOR -F, -L & -S PLATING) .090 [2.29] MIN, .482 [12.24] MAX TAIL FOR -G, & -M PLATING)

POLARIZATION OPTION

-XXX: INDICATES POSITION (SEE FIG 3, SHT 2) (USE PK-07)

SPACE OPTION

.309 [7.85] MIN FOR -S, -D, -Q ROWS
.375 [9.53] MIN FOR -T, -5 & -6 ROWS
"B" MAX (SEE TABLE 1)

ROW SPECIFICATION

-S: SINGLE (SEE -S)
-D: DOUBLE (SEE -D)
-T: TRIPLE (SEE -T & SEE NOTE 4)
-Q: QUAD (SEE -Q)
-5: FIVE (SEE -5 & SEE NOTE 4)
-6: SIX (SEE -6 AND SEE NOTE 4)

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. TOOLING TO BE DESIGNED TO PRODUCE UP TO 61 POSITIONS.
3. TMM / TMMH BODIES ARE NOT TO BE MORE THAN ± .005 FROM PLANE SET BY SQT BODY.
4. -XM FOR T, 5 AND 6 ROW OPTIONS CANNOT WITHSTAND PB-FREE REFLOW PROCESSING.
5. MAX CUT FLASH .020[.51]
6. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM

| LEAD STYLE | "A" | "B" |
|------------|--------------|--------------|
| -02 | .850 [21.59] | .800 [20.32] |
| -03 | .458 [11.63] | .408 [10.36] |

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES
X: ± .1 [2.5]
XX: ± .01 [.3]
.XXX: ± .005 [1.3]
.XXXX: ± .0020 [.051]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
INSULATOR: LCP, UL 94 VO, COLOR: BLACK
CONTACT: PHOS BRONZE

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DESCRIPTION: ELEVATED SQT ASSM.
DWG. NO. ESQT-1XX-XX-XX-X-XXX-XXX-XX
BY: PURVIS 10/20/1995 SHEET 1 OF 3

FIG 2
**** -MW: METAL WASHER**
 (ONE PER POSITION)
 (5 POS MIN, 30 POS MAX)

FLUSH TO $+0.008$ [.20] MAX
 (BELOW TMMH BODY)

3° MAX SWAY

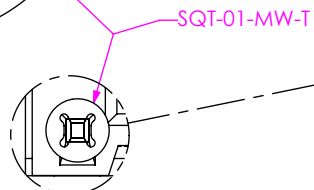
$.005$ [0.13] MAX
 (MEASURE AT THE TAIL)

SPACE OPTION
 $-XXX +0.008$ [.20]
 $-.005$ [.13]

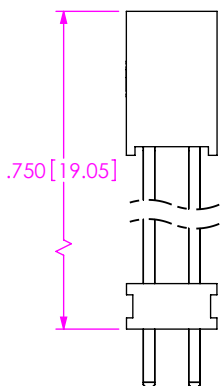
TMMH-XX-D-XX-XX

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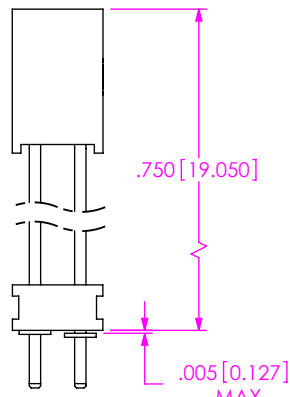
DETAIL 'A'
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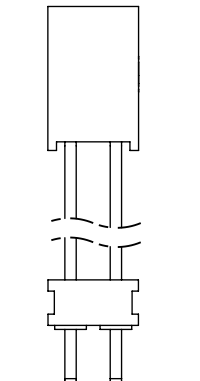
-02 STYLE ONLY



IN PROCESS 1



IN PROCESS 2



REPRESS TO SPACE OPTION NEEDED
 IN PROCESS 3

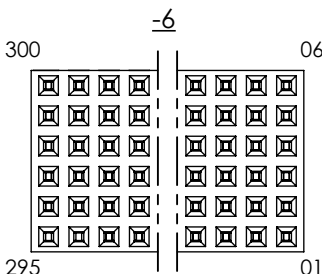
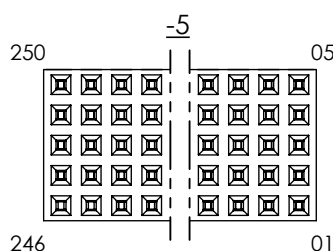
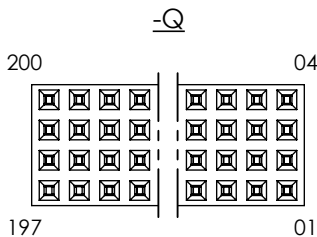
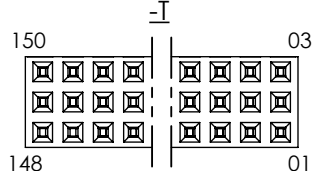
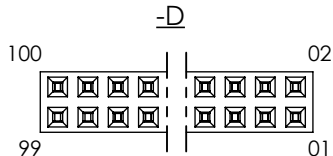
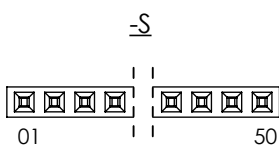


FIG 3

POLARIZATION OPTION LOCATION
 INSERT PK-07-N INTO SPECIFIED POSITION AND BREAK OFF TAB

NOTE:
 1. MINIMUM CONTACT RETENTION: 0.5 LB PER PIN.

TABLE 2

| STYLE | ROW | NO. OF POS. | PKG TUBE | TUBE PLUG |
|----------|-----|----------------------|-----------------|-----------|
| -02 | -S | 15-50 (-MW 5-30 POS) | PT-1-24-01-47 | TP-24 |
| -03 | -S | 15-50 (-MW 5-30 POS) | PT-1-24-01-46 | TP-24 |
| -02, -03 | -S | 02-14 | LAYER PACKAGING | |
| -02 | -D | 15-50 (-MW 5-30 POS) | PT-1-24-01-34 | TP-07 |
| -03 | -D | 15-50 (-MW 5-30 POS) | PT-1-24-02-46 | TP-03 |
| -02, -03 | -D | 02-14 | LAYER PACKAGING | |
| -02 | -T | 15-50 (-MW 5-30 POS) | PT-1-24-01-74 | TP-07 |
| -03 | -T | 15-50 (-MW 5-30 POS) | PT-1-24-08-15 | TP-07 |
| -02, -03 | -T | 02-14 | LAYER PACKAGING | |
| -02 | -Q | 15-50 (-MW 5-30 POS) | PT-1-24-03-51 | TP-13 |
| -03 | -Q | 15-50 (-MW 5-30 POS) | PT-1-24-16-29 | TP-07 |
| -02, -03 | -Q | 02-14 | LAYER PACKAGING | |
| -02 | -5 | 15-50 (-MW 5-30 POS) | PT-1-24-01-56 | TP-31 |
| -03 | -5 | 15-50 (-MW 5-30 POS) | PT-1-24-01-08 | TP-13 |
| -02, -03 | -5 | 02-14 | LAYER PACKAGING | |
| -02 | -6 | 15-50 (-MW 5-30 POS) | PT-1-24-01-131 | TP-26 |
| -03 | -6 | 15-50 (-MW 5-30 POS) | PT-1-24-01-75 | TP-13 |
| -02, -03 | -6 | 02-14 | LAYER PACKAGING | |

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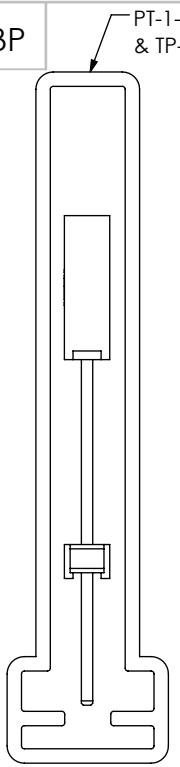
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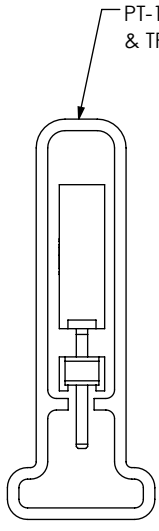


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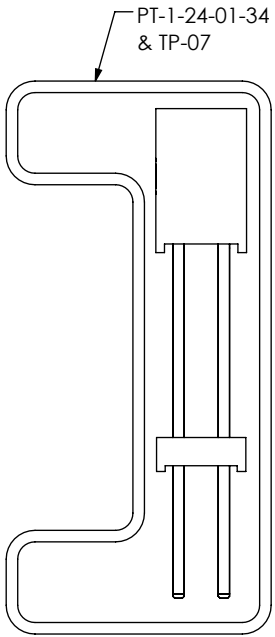
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 ELEVATED SQT ASSM.
 DWG. NO.
 ESQT-1XX-XX-XX-X-XXX-XXX-XX
 BY: PURVIS 10/20/1995 SHEET 2 OF 3



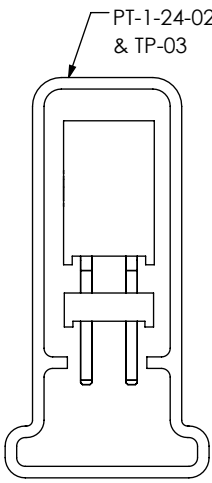
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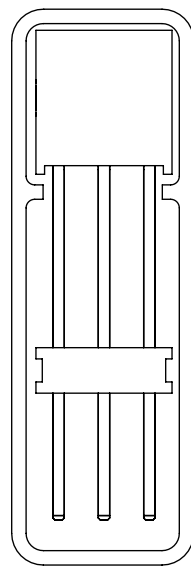
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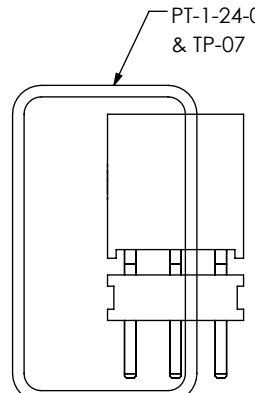
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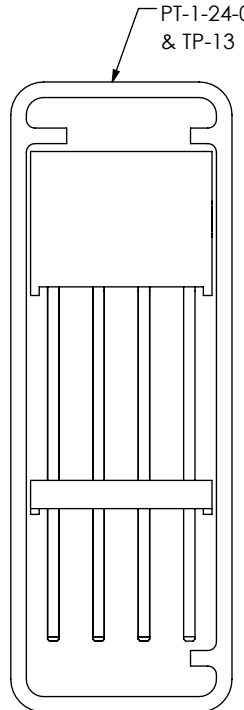
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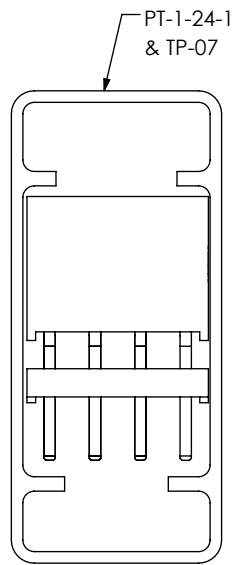
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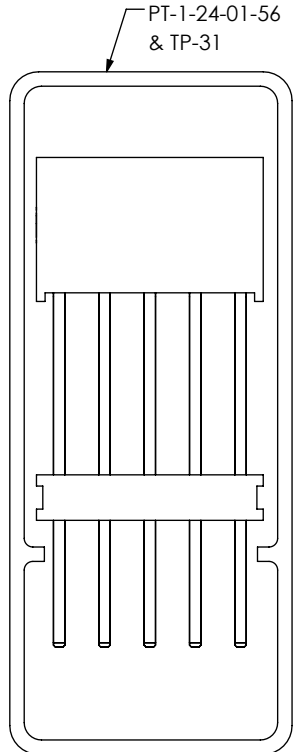
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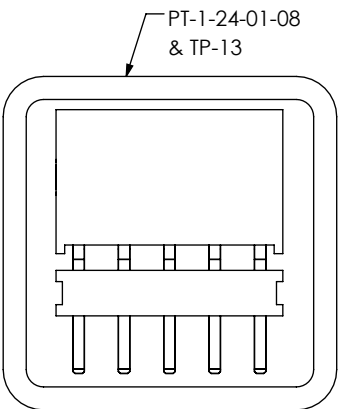
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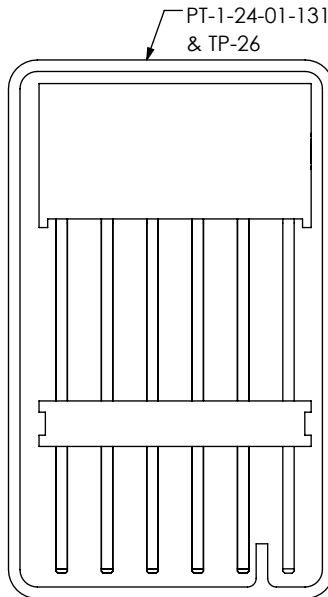
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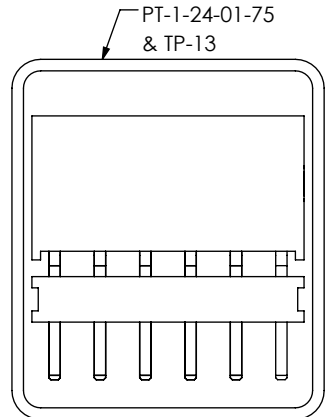
-02-5



-03-5



-02-6



-03-6

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DWG. NO. ESQT-1XX-XX-XX-X-XXX-XXX-XX

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