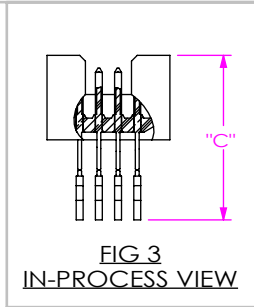


DO NOT SCALE FROM THIS PRINT

NOTES:

1.  $\text{\textcircled{C}}$  REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: .5 LBS.
3. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.



MOLC-1XX-XX-XX-Q-XX

No OF POSITIONS

- 05, -10, -12, -15,
- 20, -25, -30, -35,
- 40, -45, -50

OPTION

- LC: LOCKING CLIP  
USE 2 LC-05-TM  
(SEE FIG 2, NOTE 3)

LEAD STYLE (SEE TABLE 1)

- 01: THROUGH HOLE
- 11: THROUGH HOLE
- 31: THROUGH HOLE
- 61: THROUGH HOLE

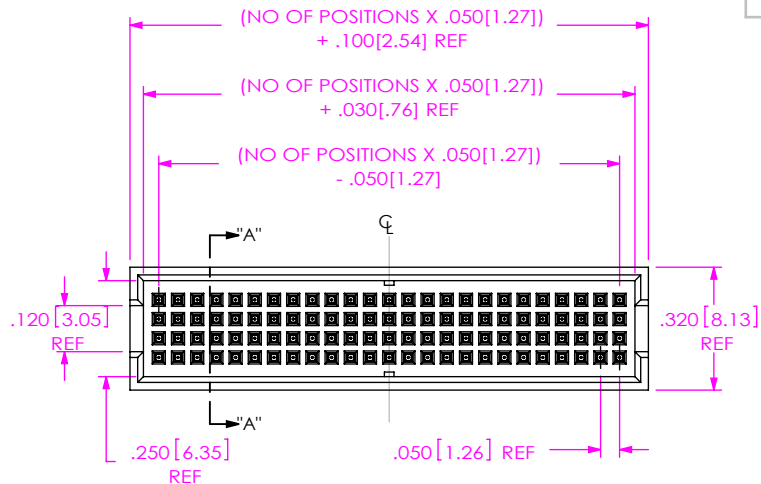
BODY SPECIFICATION

- Q: FOUR ROW

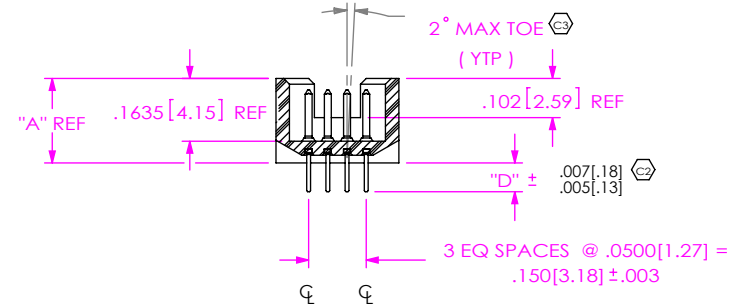
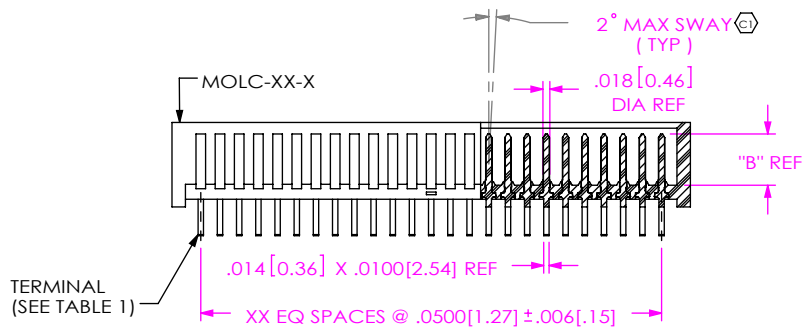
PLATING SPECIFICATIONS

(SEE TABLE 1)

- S: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
- SM: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
- L: LIGHT SELECTIVE, 15 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
- H: HEAVY GOLD, 30  $\mu$ " GOLD IN CONTACT AREA, GOLD FLASH ON TAIL (AVAILABLE TO EXISTING CUSTOMERS ONLY)



| TABLE 1    |             |              |             |              |            |               |              |
|------------|-------------|--------------|-------------|--------------|------------|---------------|--------------|
| LEAD STYLE | PLATING     | "A"          | "B"         | "C"          | "D"        | USE TERMINAL  | USE BODY     |
| -01        | -S, -SM, -L | .2200[5.59]  | .1335[3.39] | .4285[10.88] | .075[1.91] | T-1R16-01-X-2 | MOLC-XX-Q-01 |
| -11        | -S, -SM, -L | .2885[7.33]  | .1435[3.65] | .6400[16.26] | .075[1.91] | T-1R20-03-XXX | MOLC-XX-Q-02 |
| -31        | -S, -SM, -L | .4335[11.01] | .1435[3.65] | .6400[16.26] | .075[1.91] | T-1R20-02-XXX | MOLC-XX-Q-04 |
| -61        | -S, -SM, -L | .2200[5.58]  | .1435[3.65] | .6400[16.26] | .140[3.56] | T-1R16-04-XXX | MOLC-XX-Q-01 |



SECTION "A"-"A"

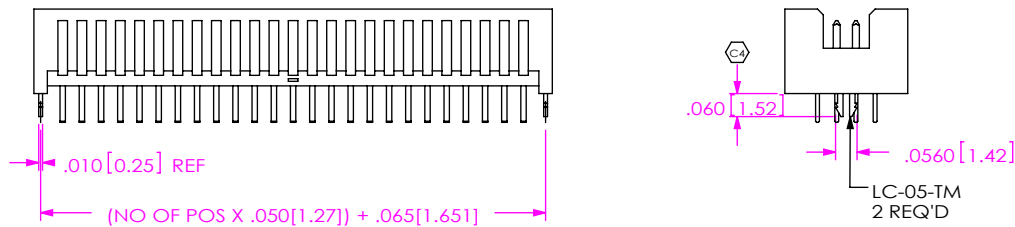


FIG 2  
-LC OPTION  
SAME AS FIG 1 UNLESS OTHERWISE SHOWN

F:\DWG\MISC\MKTG\MOLC-1XX-XX-XX-Q-XX-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

- DECIMALS
- ANGLES 2°
- .XX: ±.01 [.3]
- .XXX: ±.005 [.13]
- .XXXX: ±.0020 [.051]

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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

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1  
INSULATOR:  
VECTRA E130, LCP, UL 94 VO  
COLOR: BLACK

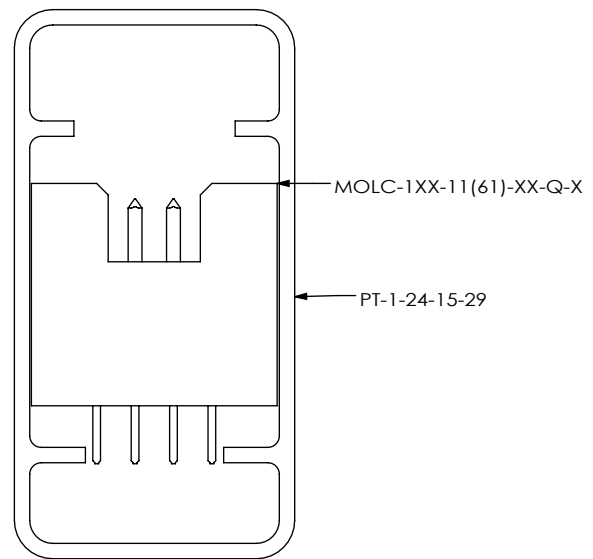
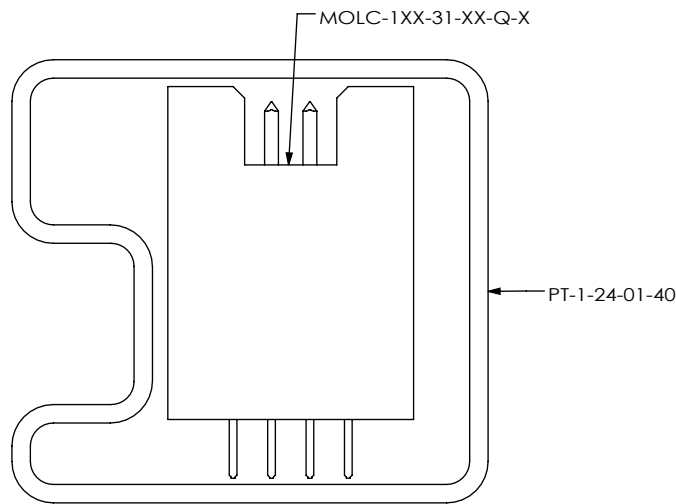
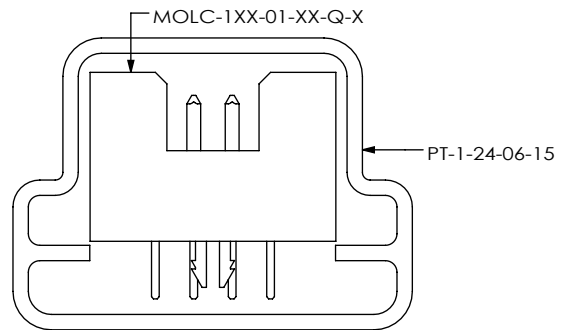
TERMINAL:  
PHOS BRONZE, CA540 1/2 HARD

DESCRIPTION:  
THROUGH HOLE .050 X .050


DWG. NO. MOLC-1XX-XX-XX-Q-XX

BY: T WHELAN 05/23/05 SHEET 1 OF 2

FIG 4  
PACKAGING VIEWS  
REF TABLE 2



| LEAD STYLE | PACKAGING TUBE | PLUG  |
|------------|----------------|-------|
| -01        | PT-1-24-06-15  | TP-09 |
| -11        | PT-1-24-15-29  | TP-07 |
| -31        | PT-1-24-01-40  | TP-13 |
| -61        | PT-1-24-15-29  | TP-07 |

|   |   |   |
|---|---|---|
| <p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:</p> <p>DECIMALS      ANGLES</p> <p>.XX: ±.01 [.3]      2°</p> <p>.XXX: ±.005 [.13]</p> <p>.XXXX: ±.0020 [.051]</p> | <p><b>PROPRIETARY NOTE</b></p> <p>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.</p> |  <p>520 PARK EAST BLVD, NEW ALBANY, IN 47150<br/>PHONE: 812-944-6733    FAX: 812-948-5047<br/>e-Mail: info@SAMTEC.com    code: 53322</p> |
|   |   |   |
| <p>F:\DWG\MISC\MKTG\MOLC-1XX-XX-XX-Q-XX-MKT.SLDDRW</p>  |   | <p>BY: T WHELAN 05/23/05      SHEET 2 OF 2</p>  |