

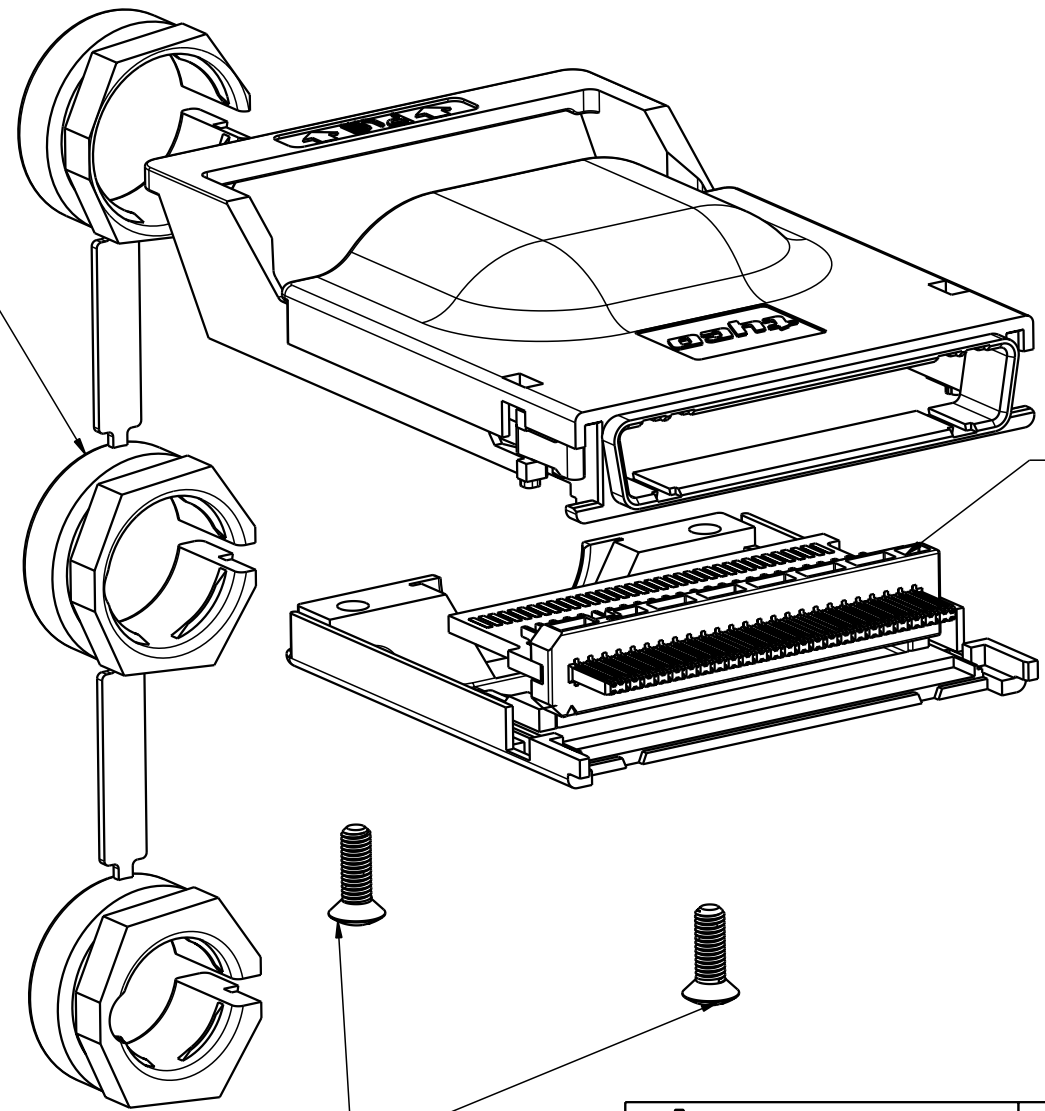
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PRODUCT NO.  
SEE TABLE

CABLE COLLAR: 3 SIZES ARE AVAILABLE: SEE APPLICATION SPEC. GS-20-026 TO SELECT THE CORRECT SIZE FOR THE DIAMETER OF CABLE.



PLUG ASSEMBLY: WITH OR WITHOUT PCB, SEE CHART ON SHEET 5.

M2.5 x .45 OVAL HEAD SCREWS, 2X

TOLERANCES UNLESS OTHERWISE SPECIFIED

|         |       |       |
|---------|-------|-------|
| LINEAR  | 0.X   | ±.3   |
|         | 0.XX  | ±.10  |
|         | 0.XXX | ±.050 |
| ANGULAR | 0°    | ±2°   |

| rev | ecn no   | dr  | date     |
|-----|----------|-----|----------|
| A   | V03-0152 | GIP | 04/03/03 |
| B   | V03-0584 | GIP | 05/30/03 |
| C   | V03-0971 | DAI | 10/23/03 |
| D   | V04-0008 | DAI | 01/28/04 |
| E   | V05-0064 | TAB | 03/04/05 |
| F   | V05-0528 | DAI | 06/30/05 |

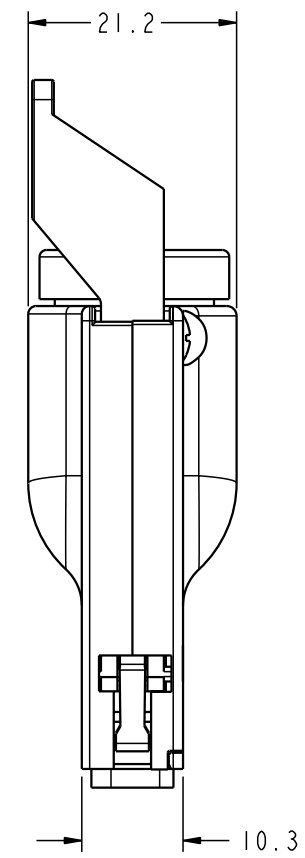
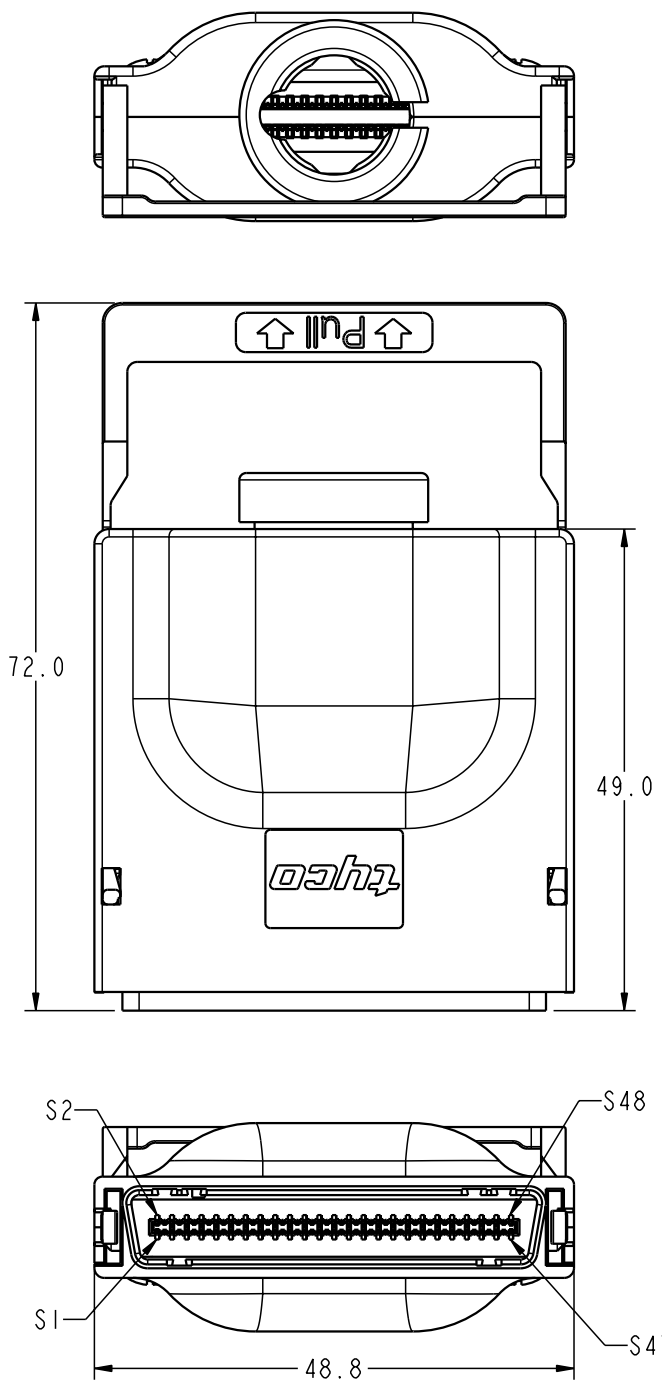
|                                   |          |          |                           |                         |                    |              |
|-----------------------------------|----------|----------|---------------------------|-------------------------|--------------------|--------------|
| www.fciconnect.com                |          |          | surface 3.2<br>ASME Y14.5 | tolerance<br>ASME Y14.5 | projection<br>     | MM<br>       |
| Dr                                | G.PETERS | 04/03/03 | Product family            | EYEMAX(tm)              | size               | A4           |
| Eng                               | D.BRANN  | 04/03/03 | Spec ref                  | -                       | Scale              | 3:2          |
| Chr                               | G.PETERS | 04/03/03 | Material                  | SEE NOTES               | ECN                | V05-0528     |
| Appr                              | D.BRANN  | 04/03/03 |                           |                         |                    |              |
| title<br>12X PLUG KIT<br>For TYCO |          |          |                           |                         | dwg no<br>10019364 | Rev.<br>F    |
| catalog no                        |          |          |                           |                         | CUSTOMER           | sheet 1 of 5 |



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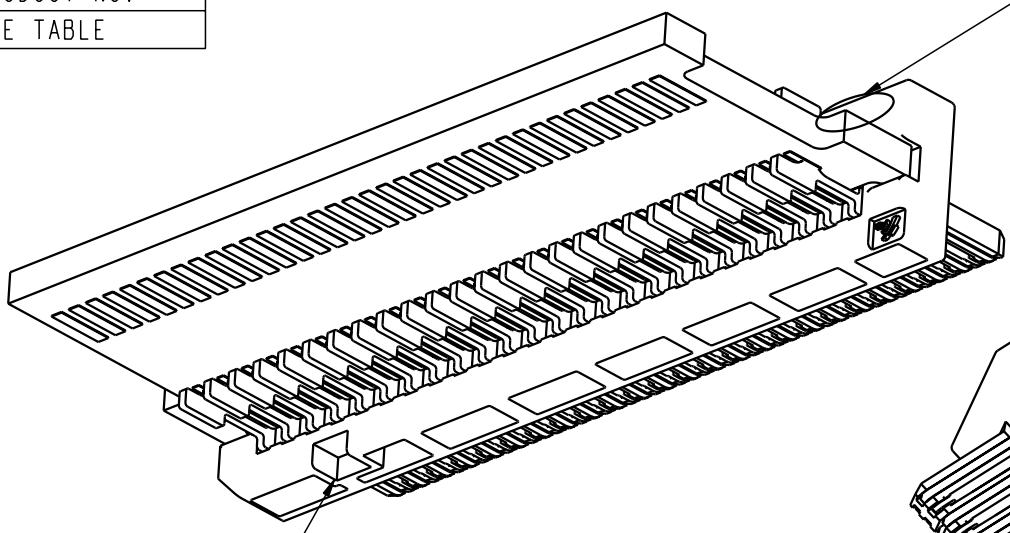
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|------------|--------------|--|--------|----------|--------------|------|---|
| title      | 12X PLUG KIT |  | dwg no | 10019364 |              | Rev. | F |
|            | For TYCO     |  |        |          |              |      |   |
| catalog no |              |  | -      | CUSTOMER | sheet 2 of 5 |      |   |

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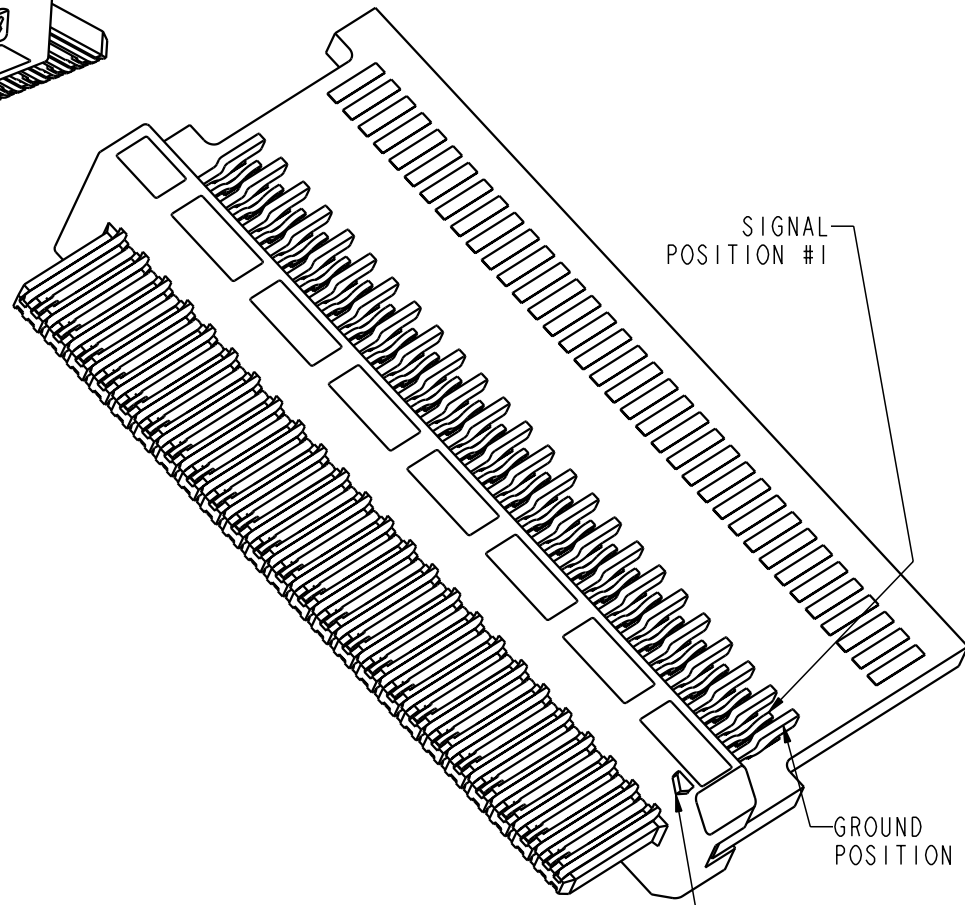
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PRODUCT NO.  
SEE TABLE



DATE CODE AREA

KEYING FEATURE  
SCALE 3:1



SIGNAL  
POSITION #1

GROUND  
POSITION #1

POSITION #1 MARK

SCALE 3:1

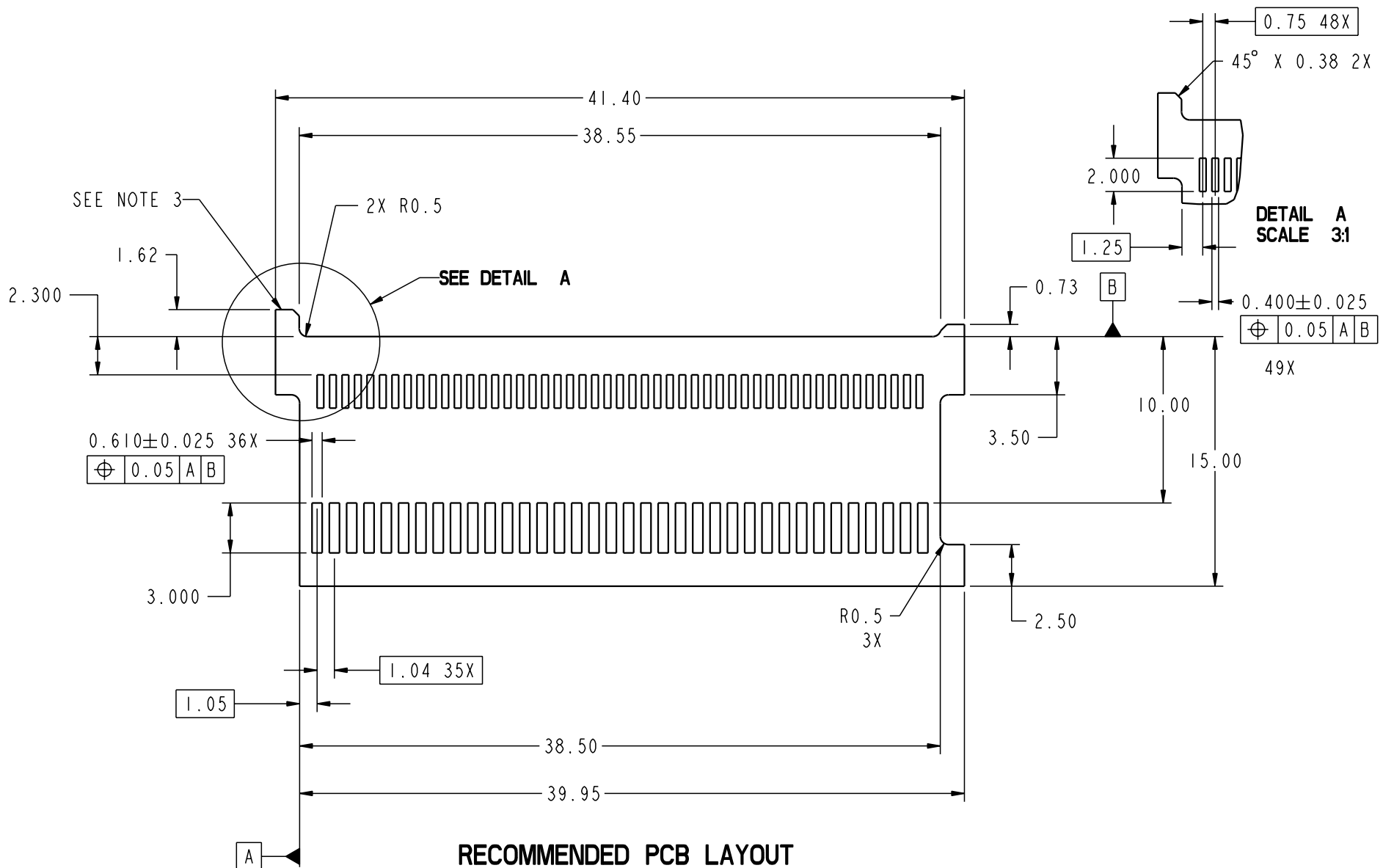
|            |              |  |        |          |          |      |   |
|------------|--------------|--|--------|----------|----------|------|---|
| title      | 12X PLUG KIT |  | dwg no | 10019364 |          | Rev. | F |
|            | For TYCO     |  |        |          |          |      |   |
| catalog no |              |  | -      |          | CUSTOMER |      |   |

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PRODUCT NO.  
SEE TABLE



RECOMMENDED PCB LAYOUT

SCALE 3:1

|                        |                    |   |                 |              |
|------------------------|--------------------|---|-----------------|--------------|
| <b>A</b><br><b>FCI</b> | title 12X PLUG KIT |   | dwg no 10019364 | Rev. F       |
|                        | For TYCO           |   |                 |              |
| Pro/E file             | catalog no         | - | CUSTOMER        | sheet 4 of 5 |

PDM: Rev:F

STATUS Released

4 Printed: Jul 22, 2010

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| PRODUCT NUMBER | DESCRIPTION                                         |
|----------------|-----------------------------------------------------|
| 10019364-001   | TYCO PLUG KIT WITH UNEQUALIZED PCB                  |
| 10019364-002   | TYCO PLUG KIT WITHOUT PCB                           |
| 10019364-003   | TYCO PLUG KIT WITH EQUALIZED PCB WITHOUT COMPONENTS |
| 10019364-004   | TYCO PLUG KIT WITH EQUALIZED PCB WITH COMPONENTS    |

\* ADD LF TO END OF PART NUMBER FOR LEAD FREE SOLDER TAILS  
EXAMPLE: 10019364-001LF, SEE LEAD FREE NOTES BELOW.

NOTES:

- PACKAGING SPECIFICATION: GS-14-794
- APPLICATION SPECIFICATION GS-20-026 FOR PADDLE CARD AND CABLE TERMINATION DETAILS.
- PRODUCT SPECIFICATION GS-12-209
- MATERIAL:  
CONTACTS: COPPER ALLOY WITH GOLD OVER NICKEL PLATING IN THE CONTACT AREA AND TIN/LEAD PLATING ON SOLDER TAIL UNLESS PART NUMBER ENDS LF, LEAD FREE SOLDER TAIL PLATING 2um (80u") MIN MATTE TIN OVER 1.27um (50u") MIN NICKEL UNDERPLATE.  
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0 RATED, SUITABLE FOR REFLOW SOLDERING.  
SHELLS: ZINC WITH NICKEL PLATING AND COPPER UNDERPLATING  
PULL TAB & CABLE COLLAR: THERMOPLASTIC  
LATCH: STAINLESS STEEL
- MATES WITH RECEPTACLE 58366 OR 58367.

PCB NOTES:

- PADS ON BOTH SIDES OF PCB.
- DIMENSIONS APPLY TO BOTH SIDES OF PCB LOCATED FROM DATUM A & B.
- THIS AREA NOT TO BE USED TO LOCATE SOLDER TAILS TO SOLDER PADS. THIS AREA IS TO AID IN ASSEMBLY BY LIMITING THE TOP & BOTTOM MOVEMENT OF THE PADDLE CARD.
- PCB THICKNESS: 1.57mm (.062).

LEAD FREE NOTES:

- IF LEAD FREE PART NUMBER, THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.60mm MIN THICK CIRCUIT BOARD.
- PACKAGING OF LEAD FREE PRODUCTS MEETS LABELING AND PACKAGING SPECIFICATION GS-14-920.
- LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

|            |              |  |        |          |              |      |
|------------|--------------|--|--------|----------|--------------|------|
| title      | 12X PLUG KIT |  | dwg no | 10019364 |              | Rev. |
|            | For TYCO     |  |        |          |              |      |
| catalog no |              |  | -      | CUSTOMER | sheet 5 of 5 |      |