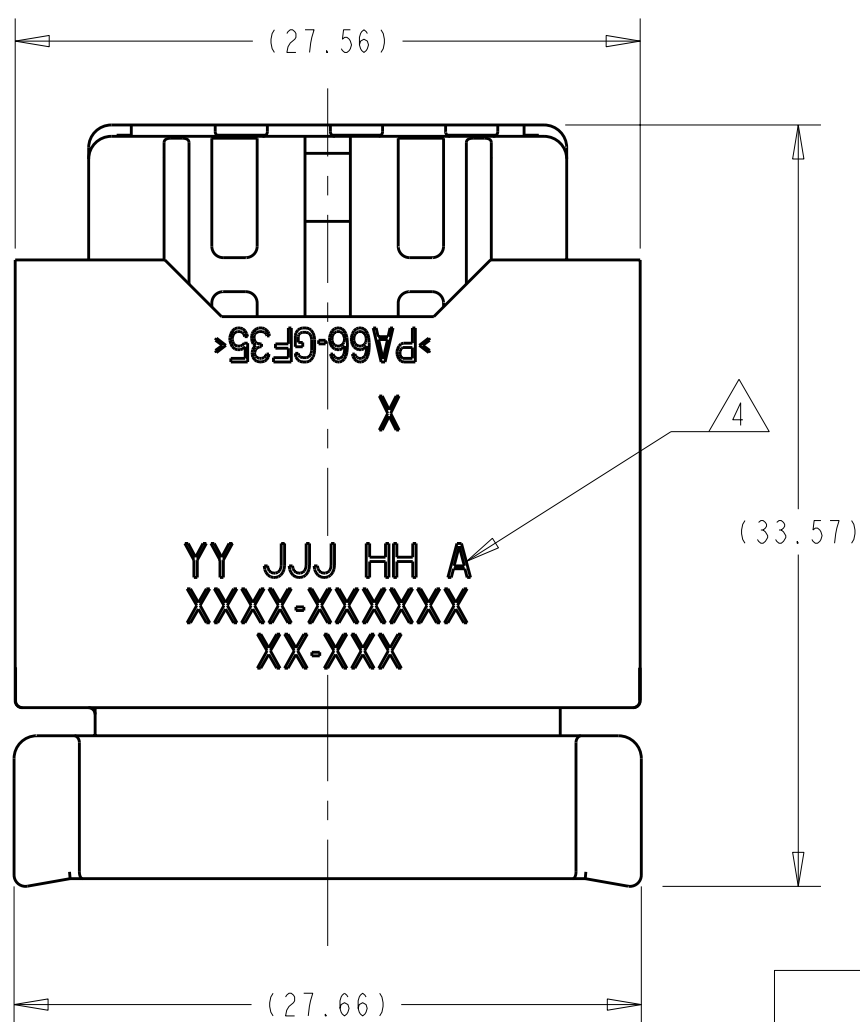


OPTION "B"



1 PLUG

2 TPA

3 COVER

4 GROMMET

5 PERIMETER SEAL

6 SHORTING BAR

7 CPA (OPTIONAL)

Ø

(3) TPA TRAVEL

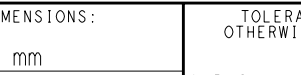


1. APPLICABLE TERMINAL PART NUMBERS (SOLD SEPARATELY):  
FOR TIN APPLICATIONS: 1393367 AND 1393368.  
FOR GOLD APPLICATIONS: 1393365 AND 1393364.  
FOR TERMINATION AND REELING OPTIONS  
SEE DRAWINGS 1393367, 1393366, 1393365, AND 1393364.
2. COMPATIBLE WIRE SIZES FOR MAT SEAL DESIGN 1.19 TO 2.06 O.D.  
(22-18 AWG, 0.35-0.75 mm2)
3. TPA IS SHIPPED IN IT'S PRE-LOADED POSITION. ALL ASSEMBLIES ARE TO  
BE TRAY PACKAGED.
4. CUSTOMER PART NUMBER AND TRACEABILITY CODE (YY = TWO DIGIT YEAR,  
JUL = JULIAN DAY, HH = TWO DIGIT MILITARY HOUR, A = ASSEMBLY  
PROCESS USED) ARE PRINTED IN THIS LOCATION.
5. PART ASSEMBLY WEIGHT WITHOUT TERMINALS AND WITH STANDARD PIN-OUT  
CONFIGURATION IS 14.39 GRAMS.
6. OPTIONAL WIRESHIELD P/N 7-1419157-8 (SOLD SEPARATELY). PLEASE CONTACT  
YOUR TYCO ELECTRONICS SALES REPRESENTATIVE FOR AVAILABILITY AND PRICING.

[illegible]

|   | CPA                                                                  | PBT-GF15    | RED                   |
|---|----------------------------------------------------------------------|-------------|-----------------------|
|   | SHORTING BAR                                                         | S.S.        | SEE COMPONENT DRAWING |
|   | PERIMETER SEAL                                                       | SILICONE    | GREEN                 |
|   | GROMMET                                                              | SILICONE    | BROWN                 |
|   | COVER                                                                | PA66 35% GF | BLACK                 |
| 3 | TPA WITH SHORTING BAR POSITIONS CONFIGURATION                        | sPS 30% GF  | NATURAL               |
| 3 | PLUG WITH KEYING OPTION "F" AND SHORTING BAR POSITIONS CONFIGURATION | PA66 30% GF | BLACK                 |
| 3 | PLUG WITH KEYING OPTION "E" AND SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |
| 3 | PLUG WITH KEYING OPTION "C" AND SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |
| 3 | PLUG WITH KEYING OPTION "A" AND SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |
| 3 | PLUG WITH KEYING OPTION "D" AND SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |
| 3 | PLUG WITH KEYING OPTION "C" AND SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | NATURAL               |
| 3 | PLUG WITH KEYING OPTION "B" AND SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |
| 3 | PLUG WITH KEYING OPTION "A" AND SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | GRAY                  |
|   | DESCRIPTION                                                          | MATERIAL    | FINISH/COLOR          |



|                                                                                                            |  |                                                                                                                      |  |                                                                                                       |  |
|------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                     |  | DWG. 24JUL2007<br>R. VESTAL<br>CHK. W. WELLINSKY<br>APVD. W. WELLINSKY 24JUL2007<br>PRODUCT SPEC<br>APPLICATION SPEC |  |  TE Connectivity |  |
| DIMENSIONS:<br>mm<br> |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.1<br>1 PLC ±0.10<br>3 PLC ±.1<br>4 PLC ±.1<br>ANGLES ±°            |  | NAME<br>24 WAY ARM PLUG ASSEMBLY<br>WITH SELECT LOAD SHORTING BARS<br>CUSTOMER SPEC.                  |  |
| MATERIAL<br>SEE CHART ABOVE                                                                                |  | FINISH<br>-                                                                                                          |  | SIZE CAGE CODE DRAWING NO<br>A1 00779 C=1924674                                                       |  |
| REIGHT<br>SEE NOTE 5                                                                                       |  | CUSTOMER DRAWING                                                                                                     |  | RESTRICTED TO<br>SCALE 3:1 SHEET 1 OF 5 REV S                                                         |  |



| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| FX  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         |     | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |

| ASSEMBLY<br>PART NUMBERS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |      |                                                                           |             |                       |              |
|--------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|------|---------------------------------------------------------------------------|-------------|-----------------------|--------------|
| 2098376-1                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1924686-1 |      |                                                                           |             |                       |              |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1924685-1 |      |                                                                           |             |                       |              |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1924684-1 |      |                                                                           |             |                       |              |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1924683-1 |      |                                                                           |             |                       |              |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1924682-1 |      |                                                                           |             |                       |              |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 7    | CPA                                                                       | PBT-GF15    | RED                   |              |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 6    | SHORTING BAR                                                              | S.S.        | SEE COMPONENT DRAWING |              |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 5    | PERIMETER SEAL                                                            | SILICONE    | GREEN                 |              |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 4    | GROMMET                                                                   | SILICONE    | BROWN                 |              |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 3    | COVER                                                                     | PA66 35% GF | BLACK                 |              |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 2    | TPA WITH<br>3 SHORTING BAR POSITIONS CONFIGURATION                        | sPS 30% GF  | NATURAL               |              |
| I                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 1    | PLUG WITH KEYING OPTION "F" AND<br>3 SHORTING BAR POSITIONS CONFIGURATION | PA66 30% GF | BLACK                 |              |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 1    | PLUG WITH KEYING OPTION "E" AND<br>3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |              |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 1    | PLUG WITH KEYING OPTION "C" AND<br>3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |              |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 1    | PLUG WITH KEYING OPTION "A" AND<br>3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |              |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 1    | PLUG WITH KEYING OPTION "D" AND<br>3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |              |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 1    | PLUG WITH KEYING OPTION "C" AND<br>3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | NATURAL               |              |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 1    | PLUG WITH KEYING OPTION "B" AND<br>3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | BLACK                 |              |
|                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | 1    | PLUG WITH KEYING OPTION "A" AND<br>3 SHORTING BAR POSITIONS CONFIGURATION | PA66 35% GF | GRAY                  |              |
| QUANTITY                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           | ITEM | DESCRIPTION                                                               |             | MATERIAL              | FINISH/COLOR |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

9 PLC ±.3  
1 PLC ±0.3  
2 PLC ±0.10  
3 PLC ±.  
4 PLC ±.  
ANGLES ±°  
FINISH -  
-

MATERIAL

SEE CHART ABOVE

DWN R. VESTAL 24JUL2007  
CHK W. WELLINSKY 24JUL2007  
APVD W. WELLINSKY 24JUL2007

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

NAME

24 WAY ARM PLUG ASSEMBLY  
WITH SELECT LOAD SHORTING BARS  
CUSTOMER SPEC.

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A1

00779

C=1924674

-

SCALE

3:1

SHEET

2

OF

5

REV

S

TE Connectivity







[illegible]

## PIN-OUT CHART

[illegible]

|                                                                                       |  |                                                                                                                                      |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWG. NO. <b>24JUL2007</b><br>DESIGNED BY <b>VESTAL</b><br>CHK. BY <b>W. WELLINSKY</b><br>APP'D. BY <b>W. WELLINSKY</b>               |  |  TE Connectivity |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC $\pm$ .01<br>2 PLC $\pm$ .02<br>2 PLC $\pm$ .05<br>4 PLC $\pm$ .01<br>ANGLES $\pm$ ° |  | NAME<br>24 WAY ARM PLUG ASSEMBLY<br>WITH SELECT LOAD SHORTING BARS<br>CUSTOMER SPEC.                  |  |
|  |  | PRODUCT SPEC<br>-<br>APPLICATION SPEC<br>-                                                                                           |  | SIZE<br>CAGE CODE<br>DRAWING NO.                                                                      |  |
| MATERIAL<br>SEE CHART ABOVE                                                           |  | WEIGHT<br>-                                                                                                                          |  | RESTRICTED TO<br>A1 00779 C-1924674 -                                                                 |  |
| FINISH<br>-                                                                           |  | CUSTOMER DRAWING                                                                                                                     |  | SCALE 3:1 SHEET 4 OF 5 REV S                                                                          |  |



| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| FX  | 00   | P         | LYR | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         |     | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |

| PIN-OUT CHART                                                |       |       |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |
|--------------------------------------------------------------|-------|-------|------------------------------------------------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-------------------------|-----------------------|--|--|--|
|                                                              |       |       |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |
|                                                              |       |       |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |
|                                                              |       |       |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 2098376-1               | KEY "F"               |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 1924686-1               | KEY "E"               |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 1924685-1               | KEY "D"               |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 1924684-1               | KEY "C"               |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 1924683-1               | KEY "B"               |  |  |  |
|                                                              |       | 1 / 2 |                                                                        |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N   | 1924682-1               | KEY "A"               |  |  |  |
| 5 / 6                                                        | 3 / 4 | 1 / 2 | 1                                                                      | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | CPA | ASSEMBLY<br>PART NUMBER | PLUG<br>KEYING OPTION |  |  |  |
| SHORTING BAR POSITION                                        |       |       | TERMINAL HOLE POSITION                                                 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |
| CAVITIES W/ A NUMERIC SYMBOL<br>INDICATE SHORTING BAR LOADED |       |       | CAVITIES WITH A NUMERIC SYMBOL INDICATE CLOSED TERMINAL HOLE POSITIONS |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |
| BLANK CAVITIES INDICATE<br>NO SHORTING BAR LOADED            |       |       | BLANK CAVITIES INDICATE OPEN TERMINAL HOLE POSITIONS                   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |                         |                       |  |  |  |

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DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

9 PLC ±.3  
1 PLC ±0.3  
2 PLC ±0.10  
3 PLC ±.  
4 PLC ±.  
ANGLES ±°  
FINISH -

MATERIAL

SEE CHART ABOVE

OWN R. VESTAL 24JUL2007  
CHK W. WELLINSKY 24JUL2007  
APVD W. WELLINSKY 24JUL2007

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

NAME

24 WAY ARM PLUG ASSEMBLY  
WITH SELECT LOAD SHORTING BARS  
CUSTOMER SPEC.

SIZE

A1

CAGE CODE

00779

DRAWING NO

1924674

RESTRICTED TO

-

TE Connectivity

SCALE

3:1

SHEET

5

OF

5

REV

S

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Authorized Distributor

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[1924675-2](#)