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RELEASED FOR PUBLICATION

20

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| ITEM | DESCRIPTION    | MATERIAL     | OTHERS     |
|------|----------------|--------------|------------|
| 1    | FEMALE CONTACT | COPPER ALLOY | FLASH GOLD |
| 2    | HOUSING        | NYLON        | BLACK      |
| 3    | COUPLING NUT   | COPPER ALLOY | -          |
| 4    | OVER-MOLDING   | POLYURETHANE | BLUE       |
| 5    | CABLE          | -            | -          |
| 6    | LABEL          | -            | -          |

2

45°

PIN 2-WHITE

PIN 1-BROWN

PIN 3-BLUE

PIN 5-GRAY

PIN 4-BLACK

34.95 REF.

"L"±0.05M

50 REF.

35±5

29.05 REF.

SW13

6

1

NOTE:

①. STRIP AND RETAIN THE INSULATION

②. CODE POSITION

③. RECOMMENDED TORQUE 0.6 Nm

④. - \*\*:CABLE LENGTH  
-0.5:0.5M,  
-1.0:1.0M,  
-1.5:1.5M,  
-3.0:3.0M,  
-5.0:5.0M,  
-7.0:7.0M,  
-10.0:10.0M,

5. CABLE ASSEMBLY TO BE PACKAGED IN POLYBAGS

⑥. LABEL CONTAINS: PN, DATE CODE...

TECHNICAL DATA

|                       |                 |                 |                 |                 |
|-----------------------|-----------------|-----------------|-----------------|-----------------|
|                       | T41614X0002-00X | T41614X0003-00X | T41614X0004-00X | T41614X0005-00X |
| RATED VOLTAGE         | 250V            |                 |                 | 60V             |
| RATED IMPULSE VOLTAGE | 2500V           |                 |                 | 1500V           |
| RATED CURRENT         | 4A              |                 |                 |                 |
| POLLUTION DEGREE      | 3               |                 |                 |                 |
| OVERVOLTAGE CATEGORY  | II              |                 |                 |                 |
| MATERIAL GROUP        | II              |                 |                 |                 |
| DEGREE OF PROTECTION  | IP67            |                 |                 |                 |

PIN ARRANGEMENT  
A-CODE

|                 |                 |                 |
|-----------------|-----------------|-----------------|
| T41614X0002-00X | T41614X0003-00X | T41614X0004-00X |
|                 |                 |                 |
| T41614X0005-00X |                 |                 |
|                 |                 |                 |

6

5

4

3

2

1

STE

|                                                                                                              |                                                                                          |                         |              |                           |                           |                 |                 |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------|--------------|---------------------------|---------------------------|-----------------|-----------------|
| WIRES: 0.34mm^2(22AWG)<br>WIRE COLOR: WH/BR/BK/BL/GR<br>OD: APPROX.4.5MM FOR 2P/3P<br>APPROX.5.0MM FOR 4P/5P | -001:0.5M<br>-002:1.0M<br>-003:1.5M<br>-004:3.0M<br>-005:5.0M<br>-006:7.0M<br>-007:10.0M | FIXED:<br>-40°C~+80°C   | GRAY         | PUR<br>(UL)               | RPC-M12-FR-5CON-PUR-**SH④ | 5               | T4161420005-00X |
|                                                                                                              |                                                                                          | FLXIBLE:<br>-25°C~+80°C |              |                           | RPC-M12-FR-4CON-PUR-**SH④ | 4               | T4161420004-00X |
|                                                                                                              |                                                                                          |                         |              |                           | RPC-M12-FR-3CON-PUR-**SH④ | 3               | T4161420003-00X |
|                                                                                                              |                                                                                          |                         |              |                           | RPC-M12-FR-2CON-PUR-**SH④ | 2               | T4161420002-00X |
|                                                                                                              | FIXED:<br>-10°C~+80°C                                                                    | BLACK                   | PVC<br>(UL)  | RPC-M12-FR-5CON-PVC-**SH④ | 5                         | T4161410005-00X |                 |
|                                                                                                              |                                                                                          |                         |              | RPC-M12-FR-4CON-PVC-**SH④ | 4                         | T4161410004-00X |                 |
|                                                                                                              |                                                                                          |                         |              | RPC-M12-FR-3CON-PVC-**SH④ | 3                         | T4161410003-00X |                 |
| RPC-M12-FR-2CON-PVC-**SH④                                                                                    | 2                                                                                        |                         |              | T4161410002-00X           |                           |                 |                 |
| CABLE CHARACTERISTIC                                                                                         | LENGTH "L"                                                                               | TEMPERATURE RANGE       | JACKET COLOR | JACKET MATERIAL           | TYPE                      | POS.            | TE PN           |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-  
1 PLC ±-  
2 PLC ±-  
3 PLC ±-  
4 PLC ±-  
ANGLES ±-  
FINISH -  
-

DWN HAO WANG 13APR2016

CHK KOBBY ZHAO 13APR2016

APVD XIANG XU 13APR2016

PRODUCT SPEC 108-106140

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME M12X1 RA RECEPTACLE, FREE END  
A-CODE,  
SHIELDED,

SIZE A2

CAGE CODE -

DRAWING NO. ©T41614X00XX00X

RESTRICTED TO -

SCALE 2:1

SHEET 1 OF 1

REV A

1471-9 (3/13)

# Mouser Electronics

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