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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

(34.5)

"L"

0m to 1m ±0.05m

1m to 3m ±0.1m

>3m ±1.5%

(50)

35±5

(28.05)

SW13

6

1

6

5

4

3

2

1

TECHNICAL DATA

T41514X0002-00X

T41514X0003-00X

T41514X0004-00X

T41514X0005-00X

|                       |       |       |
|-----------------------|-------|-------|
| 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

|                 |                 |                 |
|-----------------|-----------------|-----------------|
| T41514X0002-00X | T41514X0003-00X | T41514X0004-00X |
|                 |                 |                 |
| T41514X0005-00X |                 |                 |
|                 |                 |                 |

|                                                                                                                          |                                                                                                              |                                                      |                         |                  |                             |      |                  |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------|------------------|-----------------------------|------|------------------|
| WIRES: 0.50mm <sup>2</sup> (20AWG)<br>WIRE COLOR: WH/BR/BK/BL/GR<br>OD: APPROX.4.5MM FOR 2P/3P<br>APPROX.5.0MM FOR 4P/5P | STANDARD:<br>-001:0.5 M<br>-002:1.0 M<br>-003:1.5 M<br>-004:3.0 M<br>-005:5.0 M<br>-006:7.0 M<br>-007:10.0 M | FIXED:<br>-10°C~+80°C<br><br>FLXIBLE:<br>-5°C~+80°C  | BLACK                   | PVC<br>(UL)      | RPC-M12-FR-5CON-PVC-**S0.5△ | 5    | T4151450005-00X△ |
| WIRES: 0.34mm <sup>2</sup> (22AWG)<br>WIRE COLOR: WH/BR/BK/BL/GR<br>OD: APPROX.4.5MM FOR 2P/3P<br>APPROX.5.5MM FOR 4P/5P | CUSTOMIZATION:<br>-XX0:XX.0 M<br>-XX5:XX.5 M<br>-99X:0.X M                                                   | FIXED:<br>-40°C~+80°C<br><br>FLXIBLE:<br>-25°C~+80°C | GRAY                    | PUR<br>(UL)      | RPC-M12-FR-4CON-PVC-**S0.5△ | 4    | T4151450004-00X△ |
|                                                                                                                          |                                                                                                              | RPC-M12-FR-3CON-PVC-**S0.5△                          | 3                       | T4151450003-00X△ |                             |      |                  |
|                                                                                                                          |                                                                                                              | RPC-M12-FR-2CON-PVC-**S0.5△                          | 2                       | T4151450002-00X△ |                             |      |                  |
|                                                                                                                          |                                                                                                              | RPC-M12-FR-5CON-PUR-**△                              | 5                       | T4151420005-00X△ |                             |      |                  |
|                                                                                                                          |                                                                                                              | RPC-M12-FR-4CON-PUR-**△                              | 4                       | T4151420004-00X△ |                             |      |                  |
|                                                                                                                          |                                                                                                              | RPC-M12-FR-3CON-PUR-**△                              | 3                       | T4151420003-00X△ |                             |      |                  |
|                                                                                                                          |                                                                                                              | RPC-M12-FR-2CON-PUR-**△                              | 2                       | T4151420002-00X△ |                             |      |                  |
| FIXED:<br>-10°C~+80°C<br><br>FLXIBLE:<br>-5°C~+80°C                                                                      | BLACK                                                                                                        | PVC<br>(UL)                                          | RPC-M12-FR-5CON-PVC-**△ | 5                | T4151410005-00X△            |      |                  |
| RPC-M12-FR-4CON-PVC-**△                                                                                                  | 4                                                                                                            | T4151410004-00X△                                     |                         |                  |                             |      |                  |
| RPC-M12-FR-3CON-PVC-**△                                                                                                  | 3                                                                                                            | T4151410003-00X△                                     |                         |                  |                             |      |                  |
| RPC-M12-FR-2CON-PVC-**△                                                                                                  | 2                                                                                                            | T4151410002-00X△                                     |                         |                  |                             |      |                  |
| CABLE CHARACTERISTIC                                                                                                     | LENGTH "L"                                                                                                   | CABLE TEMP. RANGE                                    | JACKET COLOR            | JACKET MATERIAL  | TYPE                        | POS. | TE PN            |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm

MATERIAL  
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DWN  
HAO WANG  
CHK  
KOBBY ZHAO  
APVD  
XIANG XU

11AUG2015  
11AUG2015  
11AUG2015

PRODUCT SPEC  
108-106140  
APPLICATION SPEC  
-  
WEIGHT  
-

TE Connectivity

M12X1 RA RECEPTACLE, FREE END  
A-CODE,  
UNSHIELDED,

SIZE  
A2

CAGE CODE  
-

DRAWING NO  
C-T41514X00XX00X

RESTRICTED TO

CUSTOMER DRAWING

SCALE  
2:1

SHEET  
1

OF  
1

REV  
B

REVISIONS

| P | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|---|-----|---------------------------|-----------|-----|------|
|   | A   | INITIAL RELEASE           | 21AUG2015 | HW  | XX   |
|   | A1  | ECR-16-010106             | 14JUL2016 | HW  | XX   |
|   | A2  | ECR-16-015173, ADD NEW PN | 29OCT2016 | BP  | CW   |
|   | B   | ECR-18-019963             | 28DEC2018 | G.W | C.W  |

NOTE:  
△1. STRIP ALL THE INSULATION;  
△2. CODE POSITION INDICATOR;  
△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...;  
△7. -00X: FOR CABLE LENGTH, SEE TABLE E AND REFER TO LENGH"L".  
注释:  
△1. 全剥护套绝缘层;  
△2. CODE位置指示;  
△3. 推荐扭矩0.6 Nm;  
△4. -\*\* :线缆长度  
-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. 线缆组件塑料袋包装;  
△6. 标签包含: 产品编号, 日期代码...;  
△7. -00X: 线缆长度, 参考表2, 参照长度"L".

# Mouser Electronics

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