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| REVISIONS |                       |         |          |
|-----------|-----------------------|---------|----------|
| LTR       | DESCRIPTION           | DATE    | APPROVED |
| G         | REV PER ECO 13-001461 | 4-29-13 | KH       |



**SHELL ALTERNATE KEYING POSITIONS:**  
 IN THE "ALTERNATE KEYING POSITION" (POSITION 6,7,8,9, AND 10), THE KEYS ARE POSITIONED AS INDICATED IN THE CHART BELOW WITH REFERENCE TO MASTER KEY.  
 WHEN THE ALTERNATE SHELL KEYING POSITIONS ARE USED, THE APPLICABLE INSERT IS ALWAYS IN THE NORMAL POSITION.

KEY / KEYWAY LOCATIONS

| KEYING POSITION | SIZE 12 THRU 24 |     |     |     |
|-----------------|-----------------|-----|-----|-----|
|                 | A°              | B°  | C°  | D°  |
| NORMAL          | 105             | 140 | 215 | 265 |
| 6               | 18              | 149 | 192 | 259 |
| 7               | 92              | 152 | 222 | 342 |
| 8               | 84              | 152 | 204 | 334 |
| 9               | 24              | 135 | 199 | 240 |
| 10              | 98              | 152 | 268 | 338 |

| SHELL SIZE | A     | B     | C     | D     | E     | F                 | G     | H              | J              | K     |
|------------|-------|-------|-------|-------|-------|-------------------|-------|----------------|----------------|-------|
| 12         | .558  | .613  | .687  | .750  | 1.078 | 3/4-20 UNEF-2A    | .598  | .696<br>.691   | .837<br>.832   | .930  |
| 14         | .627  | .738  | .812  | .875  | 1.141 | 7/8-20 UNEF-2A    | .667  | .765<br>.760   | .906<br>.901   | .999  |
| 16         | .772  | .863  | .937  | 1.000 | 1.266 | 1-20 UNEF-2A      | .794  | .892<br>.887   | 1.033<br>1.028 | 1.126 |
| 18         | .860  | .919  | .992  | 1.062 | 1.375 | 1 1/16-18 UNEF-2A | .900  | .998<br>.993   | 1.139<br>1.134 | 1.232 |
| 20         | .985  | 1.044 | 1.117 | 1.187 | 1.510 | 1 3/16-18 UNEF-2A | 1.025 | 1.123<br>1.118 | 1.266<br>1.261 | 1.357 |
| 24         | 1.235 | 1.294 | 1.367 | 1.437 | 1.760 | 1 7/16-18 UNEF-2A | 1.275 | 1.373<br>1.368 | 1.516<br>1.511 | 1.607 |

METRIC EQUIVALENT MM

| SHELL SIZE | A      | B      | C      | D      | E      | G      | H                | J                | K      |
|------------|--------|--------|--------|--------|--------|--------|------------------|------------------|--------|
| 12         | 14.173 | 15.570 | 17.450 | 19.050 | 27.381 | 15.189 | 17.678<br>17.551 | 21.260<br>21.133 | 23.622 |
| 14         | 15.926 | 18.745 | 20.625 | 22.225 | 28.981 | 16.942 | 19.431<br>19.304 | 23.012<br>22.885 | 25.375 |
| 16         | 19.609 | 21.920 | 23.800 | 25.400 | 32.156 | 20.168 | 22.657<br>22.530 | 26.238<br>26.111 | 28.600 |
| 18         | 21.844 | 23.343 | 25.197 | 26.975 | 34.925 | 22.860 | 25.349<br>25.222 | 28.931<br>28.804 | 31.293 |
| 20         | 25.019 | 26.518 | 28.372 | 30.150 | 38.354 | 26.035 | 28.524<br>28.397 | 32.156<br>32.029 | 34.468 |
| 24         | 31.369 | 32.868 | 34.722 | 36.500 | 44.704 | 32.385 | 34.874<br>34.747 | 38.506<br>38.379 | 40.818 |

| PART NUMBER   | WEIGHT in Grams Nominal |
|---------------|-------------------------|
| RD16A-12-08PX | TBD                     |
| RD16A-12-08SX | 22.94                   |
| RD16A-14-12PX | 23.25                   |
| RD16A-14-12SX | TBD                     |
| RD16A-16-19PX | TBD                     |
| RD16A-16-19SX | 28.74                   |
| RD16A-18-23PX | TBD                     |
| RD16A-18-23SX | 34.03                   |
| RD16A-20-31PX | TBD                     |
| RD16A-20-31SX | 39.74                   |
| RD16A-24-51PX | TBD                     |
| RD16A-24-51SX | 51.29                   |

| CABLE TYPE   | PIN      | SOCKET   |
|--------------|----------|----------|
| COAX         | D-602-44 | D-602-45 |
| TWISTED PAIR | D-602-54 | D-602-55 |
| PRIMARY WIRE | D-610-09 | D-610-10 |

PART NUMBER IDENTIFICATION:



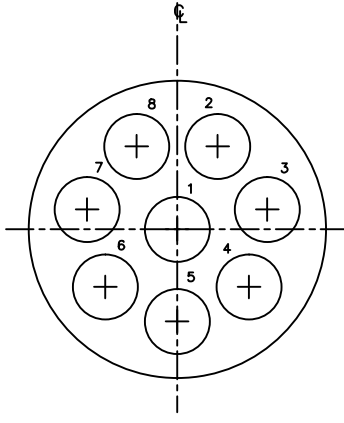
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Raychem MTC  
CUSTOMER DRAWING

|   |  |                            |                            |   |
|---|--|----------------------------|----------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.<br>DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)  | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS.<br>DECIMALS<br>.XXX ± .005 [.127 mm]<br>.XX ± .01 [.254 mm]<br>ANGLES 1° | DRAWN<br>Zsofia O.         | DATE<br>Nov/19/2010        | TE Connectivity<br>TITLE<br>RD1 SERIES CONNECTOR PLUG |
|   |  | CHECKED                    | DATE                       |   |
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|   |  | THIRD ANGLE PROJECTION     | CAD NAME<br>RD16AXX-XXP/SX | CAGE CODE:<br>06090                                   |
|   |  | DWG. NO.<br>RD16AXX-XXP/SX |                            | REV<br>G  |
|   |  | SCALE: NONE                |                            | SHEET 1 OF 3  |

RD16AXX-XXP/SX

▼  
SYM. ABOUT VERTICAL INSERT CENTER LINE ONLY



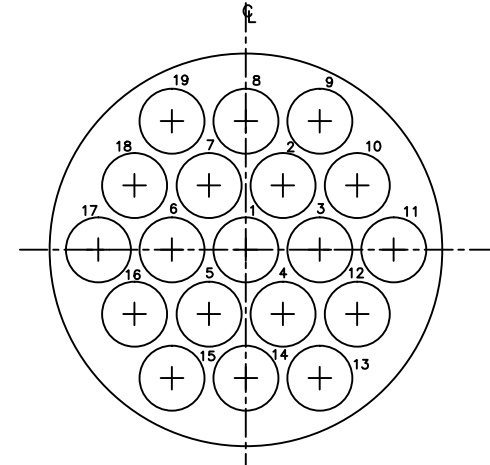
12-08  
8 #16 CAVITIES

▼  
SYM. ABOUT VERTICAL INSERT CENTER LINE ONLY



14-12  
12 #16 CAVITIES

▼  
SYM. ABOUT INSERT CENTER LINE



16-19  
16 #16 CAVITIES

NOTES:

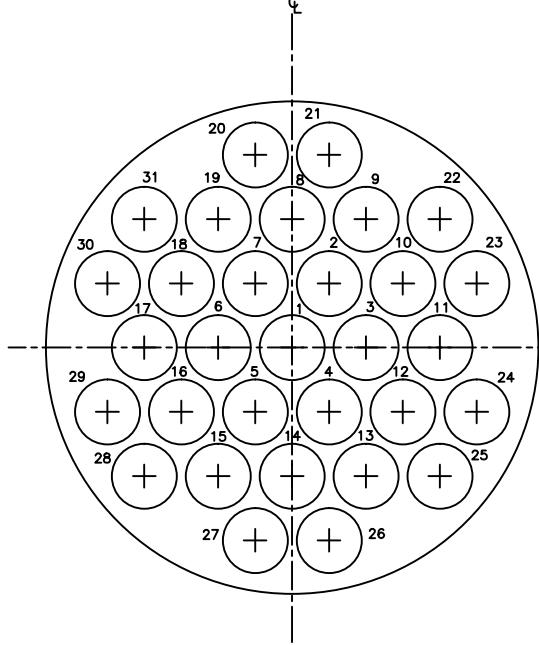
- 1. FULLY MATED COUPLING STRIPES SHALL BE COLOR CODED BLUE IN LINE WITH THE BAYONET HOLES ON THE COUPLING PLUG.
- 2. MATERIAL: METAL PARTS, EXCLUSIVE OF BAYONET PINS, COUPLING RING SPRING AND SNAP RINGS SHALL BE HIGH GRADE ALUMINUM ALLOY CONFORMING TO ASTM B 211 / SAE AMS-QQ-A 225/10. BAYONET PINS AND COUPLING RING SPRING SHALL BE STAINLESS STEEL.
- 3. INSERT MATERIAL-MINERAL FILLED PHENOLIC PER ASTM-D5948, TYPE MFH
- 4. SHELL PLATING: CADMIUM PER SAE AMS-QQ-P 416, TYPE II, CLASS 3, .0002/.0005 INCH, OLIVE DRAB, CONDUCTIVE OVER .0002/.0004 INCH ELECTROLESS NICKEL PLATE PER SAE AMS 2404
- 5. CONNECTOR IDENTIFICATION SHALL CONSIST OF NAME RAYCHEM, TE CONNECTIVITY PART NUMBER, MIS DESCRIPTION (PER TABLE V) AND THE LOT CONTROL NO. OR DATE CODE. ALL CHARACTERS SHALL BE A MINIMUM OF 1/32" IN HEIGHT AND SHALL BE PERMANENTLY AND LEGIBLY MARKED IN LOCATIONS SHOWN. MARKING SHALL BE WITHIN 265° CIRCUMFERENCE. MARKING SHALL BE READ FROM THE MATING FACE UP FOR THE PLUG AND MATING FACE DOWN FOR THE RECEPTACLE.
- 6. CONTACT IDENTIFICATION IS SHOWN BY LOOKING AT FRONT PIN INSERT FACE. FRONT SOCKET INSERT FACE IS OPPOSITE. REAR PIN INSERT FACE IS OPPOSITE. REAR SOCKET INSERT FACE IS AS SHOWN.
- 7. ▼ INDICATES SHELL MASTER KEY OR KEYWAY POSITION.
- 8. THESE DIMENSIONS ARE SHOWING THE POSITION OF THE PIN AND SOCKET CONTACTS.
- 9. THIS PRODUCT IS QUALIFIED TO TYCO ELECTRONICS SPECIFICATION D-6001 PER TEST REPORT TR3-6540-001.

▼  
SYM. ABOUT INSERT CENTER LINE



18-23  
23 #16 CAVITIES

▼  
SYM. ABOUT INSERT CENTER LINE



20-31  
31 #16 CAVITIES

▼  
SYM. ABOUT VERTICAL INSERT CENTER LINE ONLY



24-51  
51 #16 CAVITIES

D  
C  
B  
A

D  
C  
B  
A

SHEET 2  
RD16AXX-XXP/SX

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CUSTOMER DRAWING

|                            |                        |             |                     |                            |          |
|----------------------------|------------------------|-------------|---------------------|----------------------------|----------|
| CAD NAME<br>RD16AXX-XXP/SX | THIRD ANGLE PROJECTION | SIZE<br>D   | CAGE CODE:<br>06090 | DWG. NO.<br>RD16AXX-XXP/SX | REV<br>G |
| RPN:                       |                        | SCALE: NONE | SHEET 2 OF 3        |                            |          |

| TABLE V        |                 |            |
|----------------|-----------------|------------|
| PART NUMBER    | MIS DESCRIPTION | RPN        |
| RD16A12-08-SN  | MIS-20065/2-001 | 600420N009 |
| RD16A12-08-S6  | MIS-20065/2-002 | 600421N007 |
| RD16A12-08-S7  | MIS-20065/2-003 | 799539-000 |
| RD16A12-08-S8  | MIS-20065/2-004 | 600423N004 |
| RD16A12-08-S9  | MIS-20065/2-005 | N/A        |
| RD16A12-08-S10 | MIS-20065/2-006 | N/A        |
|                |                 |            |
| RD16A14-12-SN  | MIS-20065/2-007 | 600426N009 |
| RD16A14-12-S6  | MIS-20065/2-008 | 600427N008 |
| RD16A14-12-S7  | MIS-20065/2-009 | 896901-000 |
| RD16A14-12-S8  | MIS-20065/2-010 | 600429N006 |
| RD16A14-12-S9  | MIS-20065/2-011 | 130711-000 |
| RD16A14-12-S10 | MIS-20065/2-012 | 600431N002 |
|                |                 |            |
| RD16A16-19-SN  | MIS-20065/2-013 | 600432N009 |
| RD16A16-19-S6  | MIS-20065/2-014 | 600433N007 |
| RD16A16-19-S7  | MIS-20065/2-015 | 600434N004 |
| RD16A16-19-S8  | MIS-20065/2-016 | 600435N002 |
| RD16A16-19-S9  | MIS-20065/2-017 | 600436N003 |
| RD16A16-19-S10 | MIS-20065/2-018 | 600437N003 |
|                |                 |            |
| RD16A18-23-SN  | MIS-20065/2-019 | 143396-000 |
| RD16A18-23-S6  | MIS-20065/2-020 | 600439N006 |
| RD16A18-23-S7  | MIS-20065/2-021 | 600440N002 |
| RD16A18-23-S8  | MIS-20065/2-022 | 655047-000 |
| RD16A18-23-S9  | MIS-20065/2-023 | 058743-000 |
| RD16A18-23-S10 | MIS-20065/2-024 | N/A        |
|                |                 |            |
| RD16A20-31-SN  | MIS-20065/2-025 | 600444N008 |
| RD16A20-31-S6  | MIS-20065/2-026 | 657683-000 |
| RD16A20-31-S7  | MIS-20065/2-027 | 600446N004 |
| RD16A20-31-S8  | MIS-20065/2-028 | 600447N004 |
| RD16A20-31-S9  | MIS-20065/2-029 | 551309-000 |
| RD16A20-31-S10 | MIS-20065/2-030 | N/A        |
|                |                 |            |
| RD16A24-51-SN  | MIS-20065/2-031 | 600450N009 |
| RD16A24-51-S6  | MIS-20065/2-032 | 600451N008 |
| RD16A24-51-S7  | MIS-20065/2-033 | 600452N007 |
| RD16A24-51-S8  | MIS-20065/2-034 | 600453N007 |
| RD16A24-51-S9  | MIS-20065/2-035 | 600454N007 |
| RD16A24-51-S10 | MIS-20065/2-036 | 654361-000 |

NOTE: ALL CONNECTORS LISTED ON TABLE V ARE MEETING THE REQUIREMENTS OF CS051/2.  
PARTS ARE MARKED WITH PART NUMBER AND MIS DESCRIPTION.  
THE CS051/2 PORTION OF THE PART NUMBER IDENTIFICATION IS NOT INCLUDED  
IN THE PART NUMBER MARKING.

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|                            |                           |             |                     |                            |           |
|----------------------------|---------------------------|-------------|---------------------|----------------------------|-----------|
| CAD NAME<br>RD16AXX-XXP/SX | THIRD ANGLE<br>PROJECTION | SIZE<br>D   | CAGE CODE:<br>06090 | DWG. NO.<br>RD16AXX-XXP/SX | REV.<br>G |
| RPN:                       |                           | SCALE: NONE | SHEET 3 OF 3        |                            |           |

DWP NO. RD16AXX-XXP/SX SHEET 3

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

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- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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## JONHON

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«**FORSTAR**» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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