

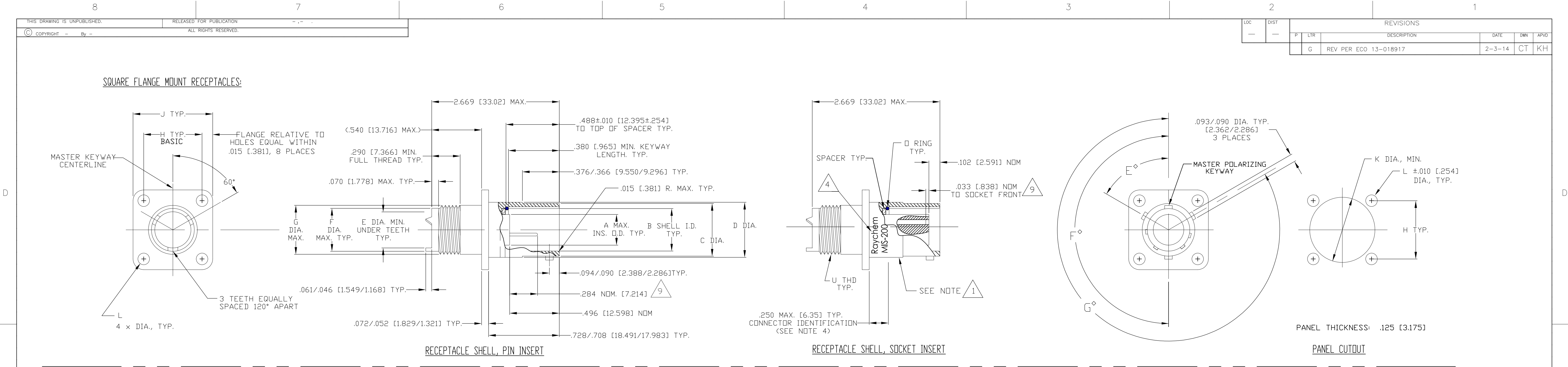


TABLE III

PART NUMBER

WEIGHT in Grams Nominal

RD10A-12-08PX

15.58

RD10A-12-08SX

TBD

RD10A-14-12PX

18.71

RD10A-14-12SX

TBD

RD10A-16-19PX

21.96

RD10A-16-19SX

TBD

RD10A-18-23PX

24.97

RD10A-18-23SX

TBD

RD10A-20-31PX

28.55

RD10A-20-31SX

TBD

RD10A-24-51PX

TBD

RD10A-24-51SX

TBD

TABLE IV

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

RD10A-12-08PX

RD10A-12-08SX

RD10A-14-12PX

RD10A-14-12SX

RD10A-16-19PX

RD10A-16-19SX

RD10A-18-23PX

RD10A-18-23SX

RD10A-20-31PX

RD10A-20-31SX

RD10A-24-51PX

RD10A-24-51SX

MASTER KEY

A°

B°

C°

D°

THE FACE OF KEYWAYS FOR PLUG SHELL

KEYWAYS IN RECEPTACLE SHELLS ARE OPPOSITE

PART NUMBER IDENTIFICATION:

RD1 0 A XX-XX X X-CSXXXX

CUSTOMER PART NUMBER AS REQUESTED

KEY POSITION: NORMAL= N (SEE TABLE II)

CONTACT STYLE: P = PIN (POWER OR SHIELDED CONTACT SEE TABLE IV) S = SOCKET (POWER OR SHIELDED CONTACT SEE TABLE IV)

LAYOUT SHELL NUMBER OF SIZE CAVITIES (SEE SHEET 2)

SHELL SIZE (SEE TABLE I)

SHELL PLATING: A - CADMIUM (OPTIONAL G - ELECTROLESS NICKEL)

SHELL TYPE: 0 - SQUARE FLANGE MOUNT RECEPTACLE

RAYCHEM CONNECTOR SERIES RD1

8

7

6

5

4

3

2

1

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RELEASED FOR PUBLICATION

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LOC

DIST

REV

DATE

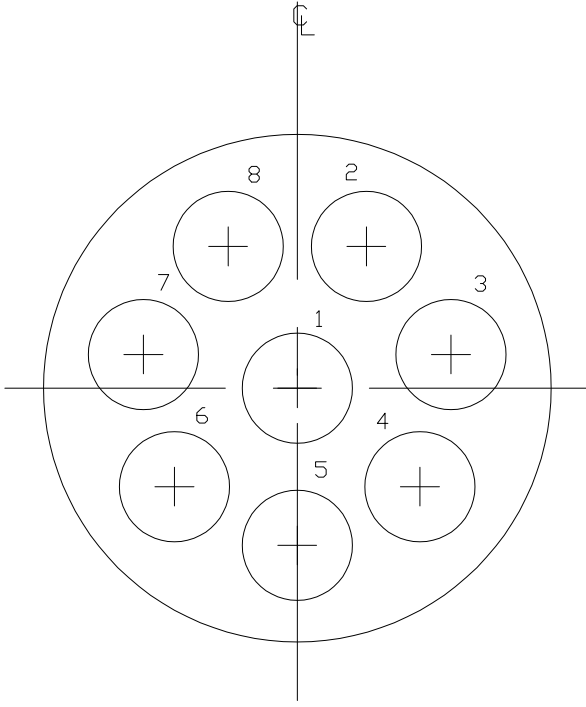
BY

APPD

DESCRIPTION

SEE SHEET 1

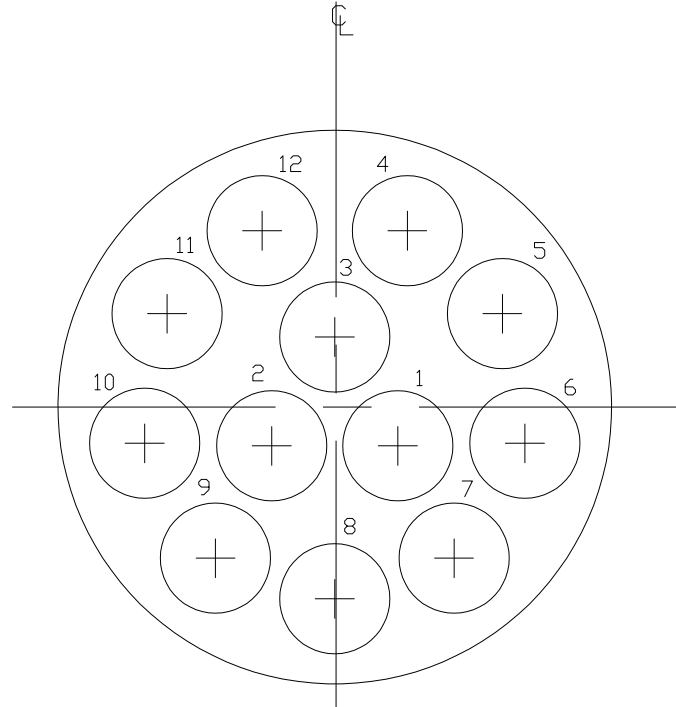
SYM. ABOUT VERTICAL INSERT CENTER LINE ONLY



12-08

8 #16 CAVITIES

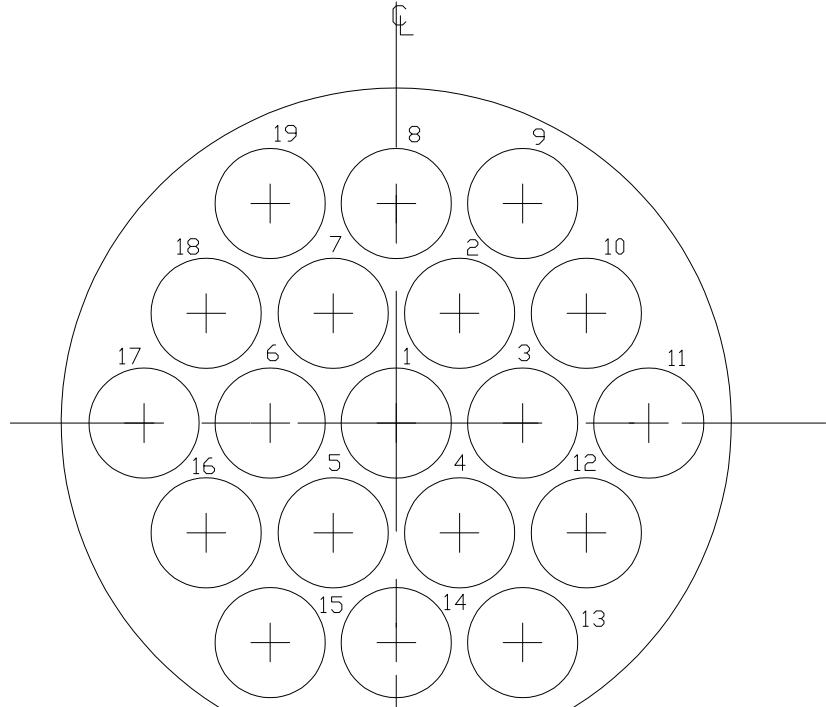
SYM. ABOUT VERTICAL INSERT CENTER LINE ONLY



14-12

12 #16 CAVITIES

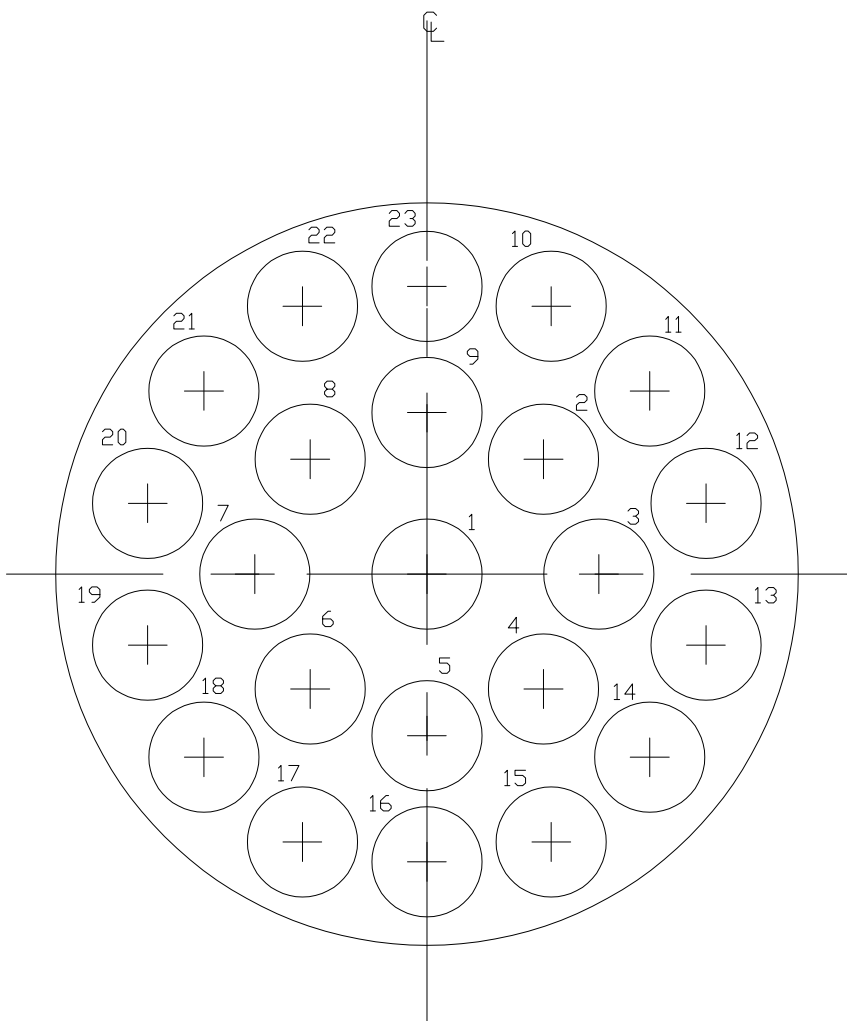
SYM. ABOUT INSERT CENTER LINE



16-19

19 #16 CAVITIES

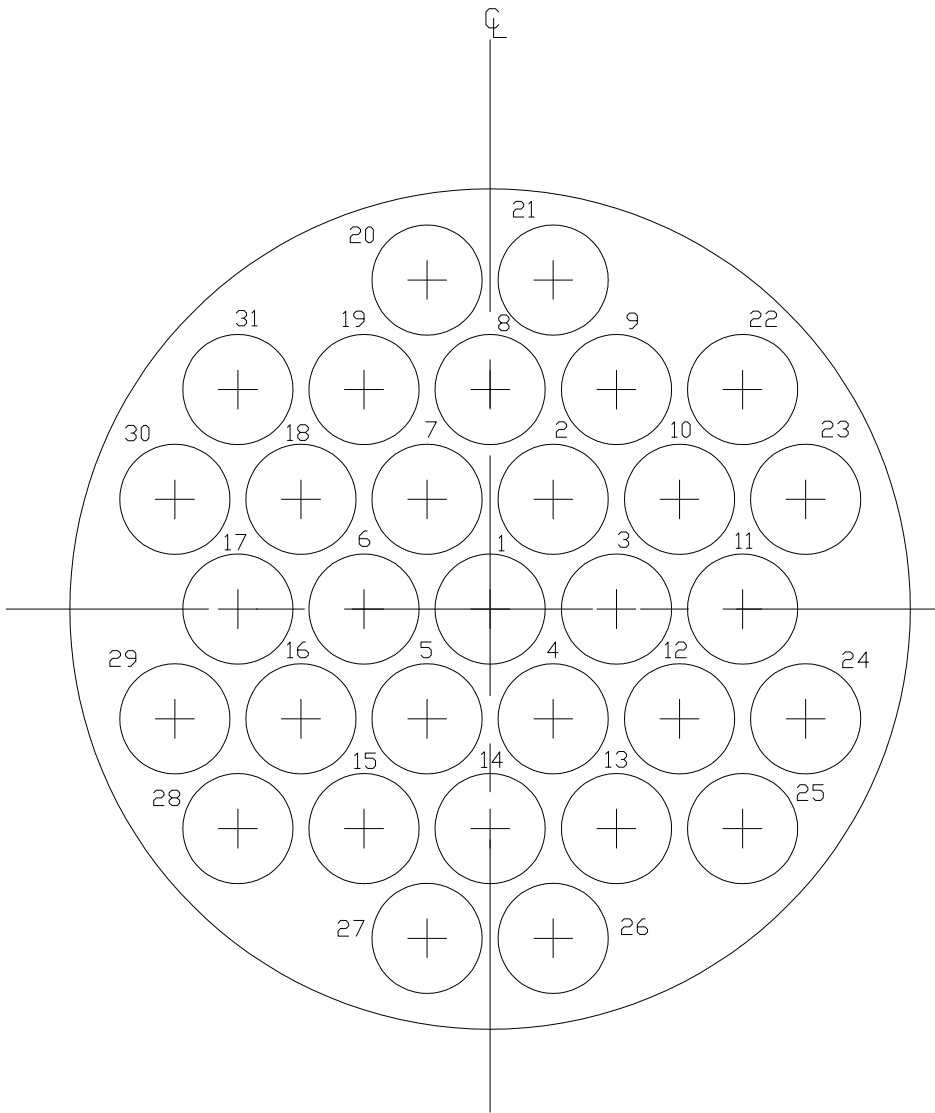
SYM. ABOUT VERTICAL INSERT CENTER LINE ONLY



18-23

23 #16 CAVITIES

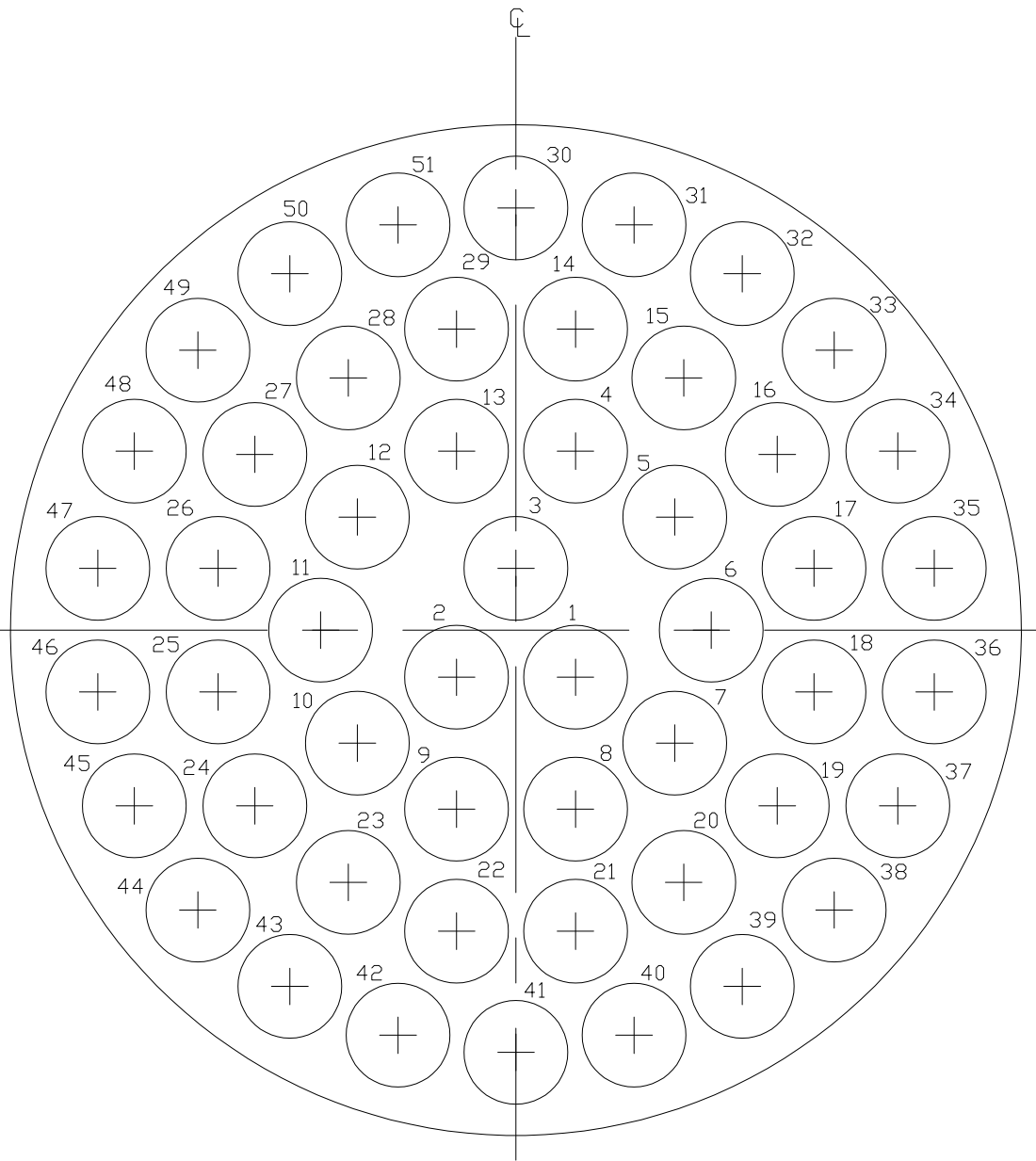
SYM. ABOUT INSERT CENTER LINE



20-31

31 #16 CAVITIES

SYM. ABOUT VERTICAL INSERT CENTER LINE ONLY



24-51

51 #16 CAVITIES

1. FULLY MATED COUPLING STRIPES SHALL BE COLOR CODED BLUE IN LINE WITH THE BAYONET PINS ON THE RECEPTACLE SHELL.

2. MATERIAL: METAL PARTS, EXCLUSIVE OF BAYONET PINS, COUPLING RING SPRING 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 PHENDLIC PER ASTM-D5948, TYPE MFH

4. 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.

5. CAVITY IDENTIFICATION NUMBERS SHALL BE AS LARGE AS POSSIBLE, OF A CONTRASTING COLOR, AND LOCATED APPROXIMATELY AS SHOWN.

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.

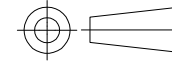
8. SHELL PLATING: CADMIUM PER SAE AMS-QQ-P 416, TYPE II, CLASS 3, .0002/.0005 INCH, OLIVE DRAB, CONDUCTIVE OVER .0002/.0004 INCH ELECTROLESS NICKEL PLATE PER SAE AMS 2404

9. THESE DIMENSIONS ARE SHOWING THE POSITION OF THE PIN AND SOCKET CONTACTS.

10. THIS PRODUCT IS QUALIFIED TO TYCO ELECTRONICS SPECIFICATION D-6001 PER TEST REPORT TR3-6540-001.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES



MATERIAL: -

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0.0005 ± .0005

0.001 ± .001

0.002 ± .002

0.005 ± .005

0.01 ± .01

0.02 ± .02

0.05 ± .05

0.1 ± .1

0.2 ± .2

0.5 ± .5

1.0 ± 1.0

TE Connectivity

RD1 SERIES CONNECTOR, RECEPTACLE

RD10AXX-XXP/SX

DATE: 03FEB2014

BY: K. HOGAN

APPD: K. HOGAN

SIZE: 00779

SCALE: NTS

SHEET: 2 OF 3

REV: G

4805 (3/11) 11:03am

TABLE V		
PART NUMBER	MIS DESCRIPTION	RPN
RD10A12-08-PN	MIS-20065/1-001	056815-000
RD10A12-08-P6	MIS-20065/1-002	827981-000
RD10A12-08-P7	MIS-20065/1-003	143129-000
RD10A12-08-P8	MIS-20065/1-004	600243N007
RD10A12-08-P9	MIS-20065/1-005	N/A
RD10A12-08-P10	MIS-20065/1-006	N/A
RD10A14-12-PN	MIS-20065/1-007	600246N009
RD10A14-12-P6	MIS-20065/1-008	600247N007
RD10A14-12-P7	MIS-20065/1-009	600248N007
RD10A14-12-P8	MIS-20065/1-010	600249N006
RD10A14-12-P9	MIS-20065/1-011	330035-000
RD10A14-12-P10	MIS-20065/1-012	539255-000
RD10A16-19-PN	MIS-20065/1-013	600252N009
RD10A16-19-P6	MIS-20065/1-014	600253N007
RD10A16-19-P7	MIS-20065/1-015	429283-000
RD10A16-19-P8	MIS-20065/1-016	600255N006
RD10A16-19-P9	MIS-20065/1-017	182749-000
RD10A16-19-P10	MIS-20065/1-018	112055-000
RD10A18-23-PN	MIS-20065/1-019	600258N009
RD10A18-23-P6	MIS-20065/1-020	600259N006
RD10A18-23-P7	MIS-20065/1-021	936753-000
RD10A18-23-P8	MIS-20065/1-022	600261N005
RD10A18-23-P9	MIS-20065/1-023	600262N004
RD10A18-23-P10	MIS-20065/1-024	N/A
RD10A20-31-PN	MIS-20065/1-025	600264N008
RD10A20-31-P6	MIS-20065/1-026	600265N008
RD10A20-31-P7	MIS-20065/1-027	600266N007
RD10A20-31-P8	MIS-20065/1-028	600267N007
RD10A20-31-P9	MIS-20065/1-029	600268N005
RD10A20-31-P10	MIS-20065/1-030	N/A
RD10A24-51-PN	MIS-20065/1-031	600270N009
RD10A24-51-P6	MIS-20065/1-032	600271N009
RD10A24-51-P7	MIS-20065/1-033	412579-000
RD10A24-51-P8	MIS-20065/1-034	600273N007
RD10A24-51-P9	MIS-20065/1-035	600274N006
RD10A24-51-P10	MIS-20065/1-036	600275N005

NOTE: ALL CONNECTORS LISTED ON TABLE V ARE MEETING THE REQUIREMENTS OF CS051/1.
PARTS ARE MARKED WITH PART NUMBER AND MIS DESCRIPTION.
THE CS051/1 PORTION OF THE PART NUMBER IDENTIFICATION IS NOT INCLUDED
IN THE PART NUMBER MARKING.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
C.C.THOMAS

CHK
K.HOGAN

APVD
K.HOGAN

03FEB2014

2-3-14

2-3-14

TE Connectivity

RD1 SERIES CONNECTOR, RECEPTACLE

RD10AXX-XXP/SX

DIMENSIONS:
INCHES

0 PLC ± -

1 PLC ± -

2 PLC ± .01 [0.3]

3 PLC ± .005 [0.13]

4 PLC ± - ± 1°

ANGLES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC

APPLICATION SPEC

FINISH

MATERIAL
-

WEIGHT
SEE TABLE III

CUSTOMER DRAWING

SIZE
A1

CAGE CODE
00779

DRAWING NO
RD10AXX-XXP/SX

RESTRICTED TO
-

SCALE
NTS

SHEET
3

OF
3

REV
G