

| REV | ECN  | APP'D      |
|-----|------|------------|
| -   | 8102 | RN 9/15/17 |
| A   | 9076 | RN 7/6/20  |

MASTER COPY

PRC PIGTAILS AND ASSEMBLIES

PRC KITS

MPC4 RR D YY ZZZ T W-VVV

8 MPC4 : PRC WITH INTEGRATED BACKSHELL

|                          |
|--------------------------|
| RR : RADIO TYPE          |
| 00 : AN/PRC 117G J3 PORT |
| 01 : AN/PRC 117G J6 PORT |
| 02 : AN/PRC 152          |

|                           |
|---------------------------|
| D : CONNECTOR DESIGNATION |
| 0 : STRAIGHT SIDE         |
| 1 : RA FRONT              |
| 2 : RA REAR               |
| 3 : STRAIGHT UP           |
| 4 : STRAIGHT DOWN         |
| 5 : "T" FRONT EXIT        |

VVV : LENGTH (CABLE 2)  
EXAMPLE: 072 : 72" (6 FT)

6 7

W : ASSIGNED BY APCD ENGINEERING

5

T : CABLE TYPE  
A : CABLE ASSEMBLY  
P : PIGTAIL

ZZZ : LENGTH (CABLE 1)  
EXAMPLE: 072 : 72" (6 FT)

6

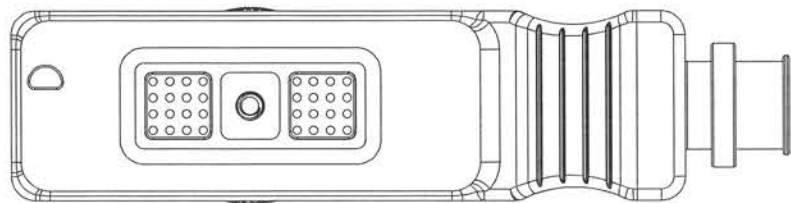
YY : STRAIN RELIEF OPTION  
FR : FLAME RETARDANT, FLEXIBLE TPU  
SB : HEATSHRINK BOOT

NOTES:

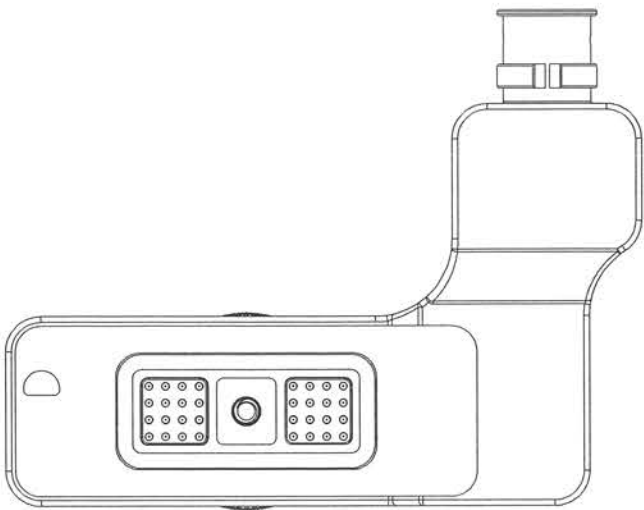
1. PIGTAILS AND ASSEMBLIES SHALL BE BUILT IN ACCORDANCE WITH IPC/WHMA-A-620 CLASS 3, AND SHALL BE 100% TESTED FOR CONTINUITY, DISCONTINUITY, DWV AND INSULATION RESISTANCE (250V \* 100 MΩ MINIMUM).
2. SOLDER PER IPC-J-STD-001CLASS II AS APPLICABLE
3. CURRENT RATING - 1.5 A (CONTINUOUS), 2A (PEAK)
4. CONNECTOR SHELL MATERIAL/COATING/PLATING:
  - MATERIAL: ALUMINUM 6061
  - PLATING: SELECTIVE ANODIZED PLATING PER MIL-A-8625F TYPE II CLASS 2 BLACK OVER CHROMATE SPEC. TYPE II, CLASS 3 PER DTL5541F
  - FASTENERS: STAINLESS STEEL, BLACK OXIDE PLATING
  - THUMB SCREW: SUS316, BLACK OXIDE PLATING.
5. WIRING, CABLE REQUIREMENTS, AND (IF APPLICABLE) ADDITIONAL CONNECTOR(S) TO BE SPECIFIED BY CUSTOMER. "W" NUMBER TO BE ASSIGNED BY AMPHENOL PCD ENGINEERING.
6. ASSEMBLY OR PIGTAIL LENGTHS  
ZZZ AND VVV : END OF STRAIN RELIEF TO END OF CABLE OR CONNECTOR MATING FACE. SEE TABLE 1 FOR STANDARD STRAIN RELIEF SIZES.
7. VVV LENGTH APPLIES TO SMALLER DIAMETER DOUBLE CABLE OPTION.  
LEAVE BLANK IF ONLY ONE CABLE.
8. PLEASE SEE DRAWING MPC3000000 FOR PUSH-IN STRAIN RELIEF OPTION.

| DIMENSIONS                                 | TOLERANCES                                                                                                                   | PROJECTION | Amphenol Pcd<br>SPECIFICATION DRAWING |                                                                |                       |              |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------|----------------------------------------------------------------|-----------------------|--------------|
| ANSI Y14.5M<br>UNITS: INCHES<br>Pro/E FILE | .XX ±0.01<br>.XXX ±0.005<br>ANGLES ±2.0°                                                                                     |            | ENGR<br>J. QUINN<br>5-AUG 2017        | TITLE<br>AN/PRC RADIOS<br>CONNECTOR KITS, PIGTAILS, ASSEMBLIES |                       |              |
| ORIGINAL                                   | THIS DOCUMENT CONTAINS<br>PROPRIETARY INFORMATION WHICH<br>IS THE CONFIDENTIAL PROPERTY<br>OF AMPHENOL PCD INC., BEVERLY, MA |            | CHKD<br>R.YEZAVIT<br>15-SEPT 2017     | SIZE<br>B                                                      | DWG NO.<br>MPC4000000 | REV<br>A     |
|                                            |                                                                                                                              |            | APPD<br>R.NEWMAN<br>15-SEPT 2017      | CODE: 58982                                                    | SCALE: 1.000          | SHEET 1 OF 5 |
|                                            |                                                                                                                              |            |                                       |                                                                |                       |              |

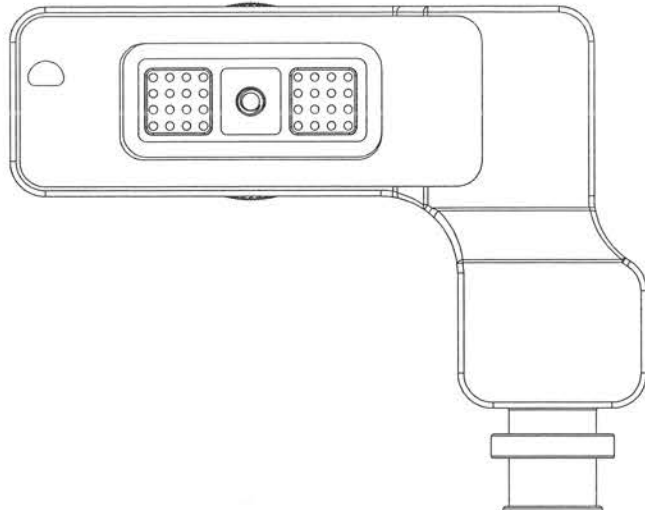
# AN/PRC-117G RADIO CONNECTOR J3 PORT



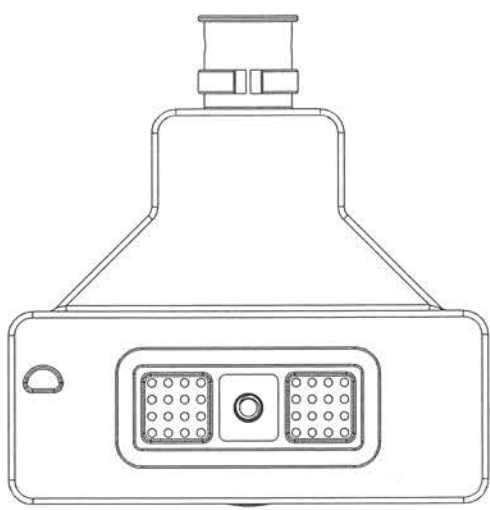
SIDE EXIT  
MPC4000



RA FRONT EXIT  
MPC4001



RA REAR EXIT  
MPC4002



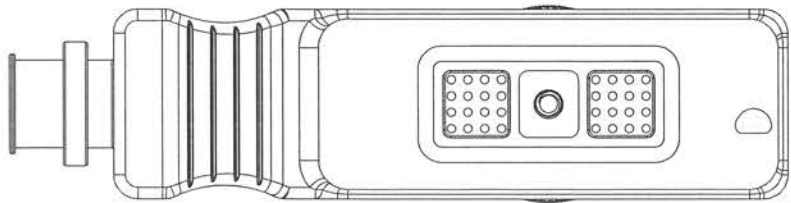
"T" FRONT EXIT  
MPC4005

MPC4000000

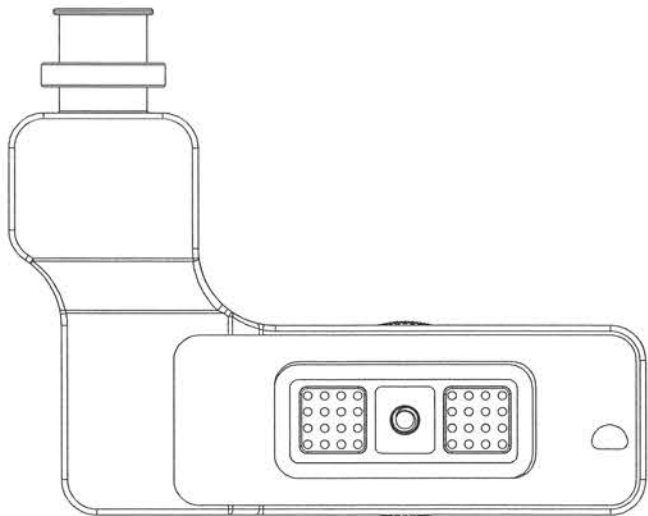
MPC4000000

|                  |                              |                 |
|------------------|------------------------------|-----------------|
| SIZE<br><b>B</b> | DWG NO.<br><b>MPC4000000</b> | REV<br><b>A</b> |
| CODE: 58982      | SCALE: 1.000                 | SHEET 2 OF 5    |

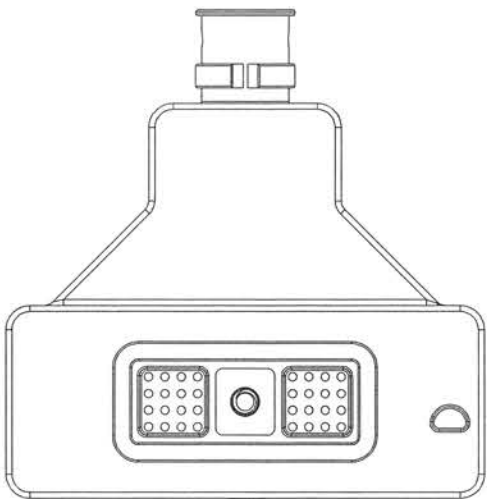
# AN/PRC-117G RADIO CONNECTOR J6 PORT



SIDE EXIT  
MPC4010



RA FRONT EXIT  
MPC4011



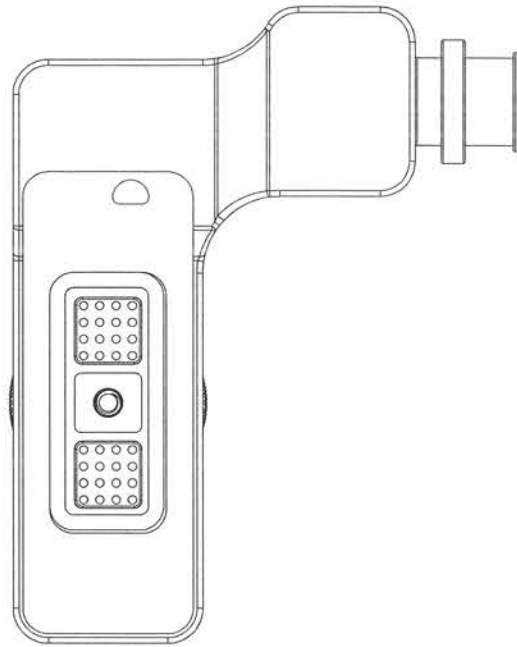
"T" FRONT EXIT  
MPC4015

MPC4000000

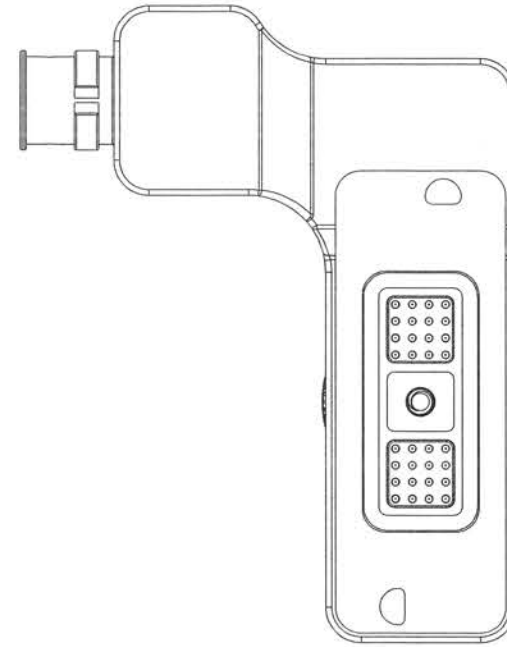
MPC4000000

|             |              |              |
|-------------|--------------|--------------|
| SIZE        | DWG NO.      | REV          |
| B           | MPC4000000   | A            |
| CODE: 58982 | SCALE: 1.000 | SHEET 3 OF 5 |

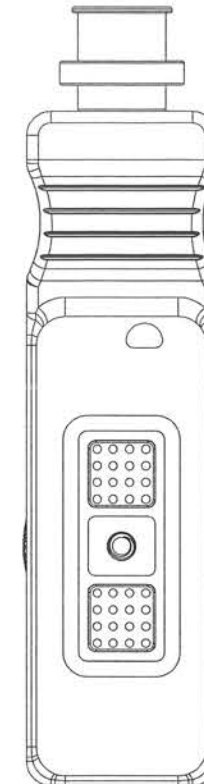
# AN/PRC-152 RADIO CONNECTOR



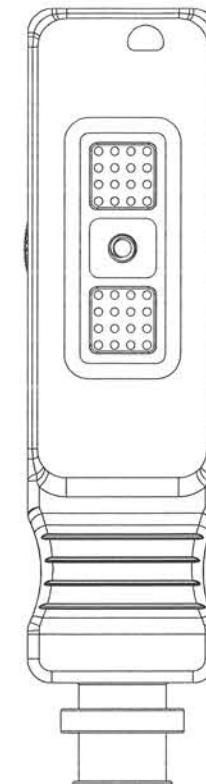
RA FRONT EXIT  
MPC4021



RA REAR EXIT  
MPC4022

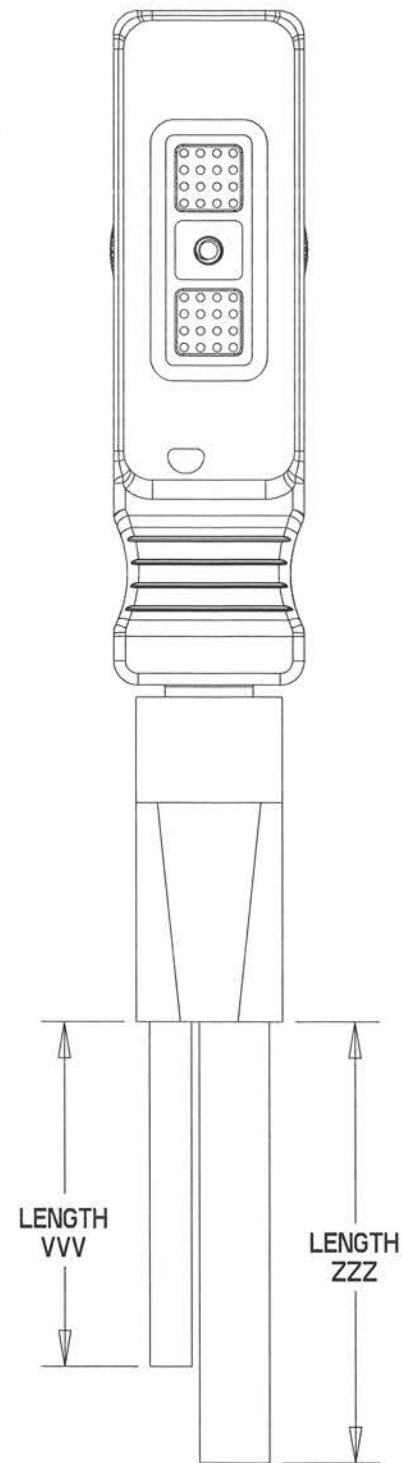


UP EXIT  
MPC4023

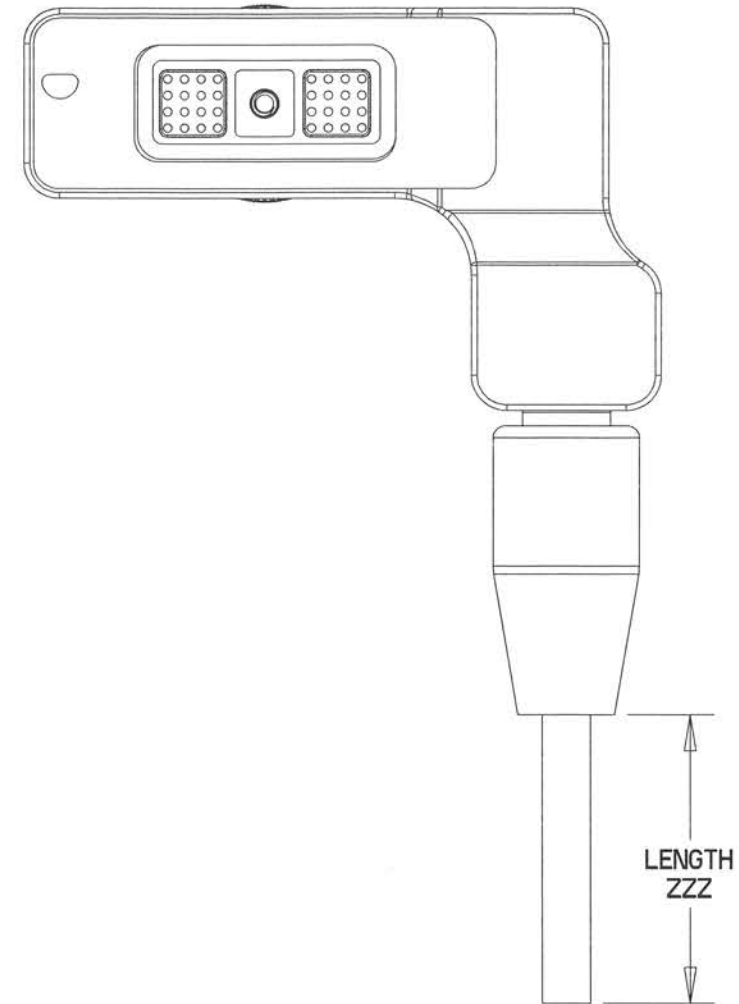


DOWN EXIT  
MPC4024

# PRC PIGTAILS



AN/PRC-152 UP EXIT 2 CABLE  
MPC4023FRZZZPW-VVV



AN/PRC-117G J6 PORT RA FRONT EXIT  
MPC4011FRZZZPW

| SIZE        | DWG NO.      | REV          |
|-------------|--------------|--------------|
| B           | MPC4000000   | A            |
| CODE: 58982 | SCALE: 1.000 | SHEET 5 OF 5 |