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)	/6\ /7\
EXAMPLE: 072 = 72" (6 FT)	

W = ASSIGNED BY APCD ENGINEERING /5\

T = CABLE TYPE
A = CABLE ASSEMBLY
P = PIGTAIL

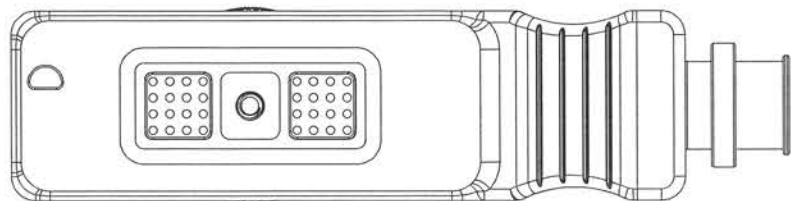| ZZZ = LENGTH (CABLE 1)	/6\
EXAMPLE: 072 = 72" (6 FT)	

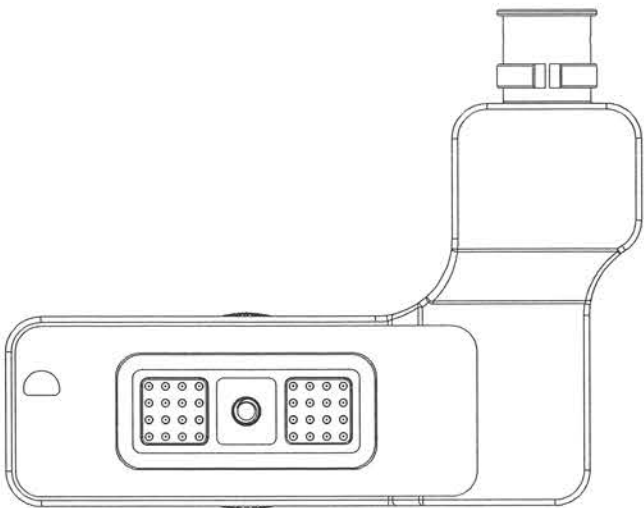| YY = STRAIN RELIEF OPTION |
|---|
| FR = FLAME RETARDANT, FLEXIBLE TPU |
| SB = HEATSHRINK BOOT |

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
ANSI Y14.5M	.XX ±0.01	
UNITS: INCHES	.XXX ±0.005	
Pro/E FILE	ANGLES ±2.0°	

Amphenol Pcd
SPECIFICATION DRAWING

ENGR	
J. QUINN	5-AUG 2017
CHKD	
R.YEZAVIT	15-SEPT 2017
APPD	
R.NEWMAN	15-SEPT 2017

ORIGINAL

TITLE
AN/PRC RADIOS
CONNECTOR KITS, PIGTAILS, ASSEMBLIES

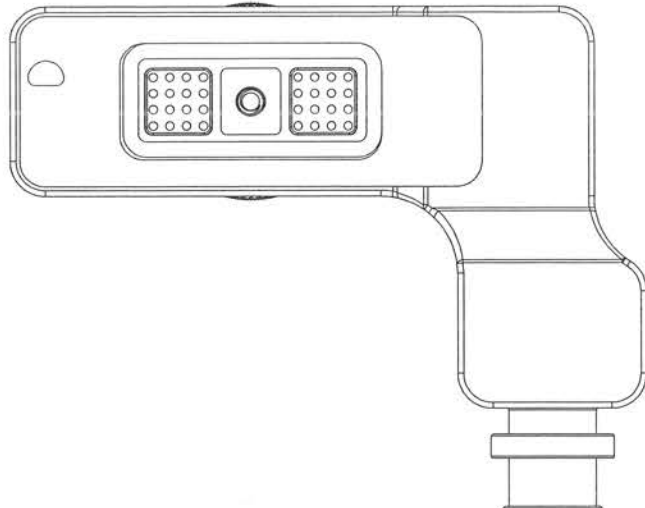| SIZE	DWG NO.		REV
B	MPC4000000		A
CODE: 58982	SCALE: 1.000	SHEET 1 OF 5	

AN/PRC-117G RADIO CONNECTOR
J3 PORT

SIDE EXIT
MPC4000

RA FRONT EXIT
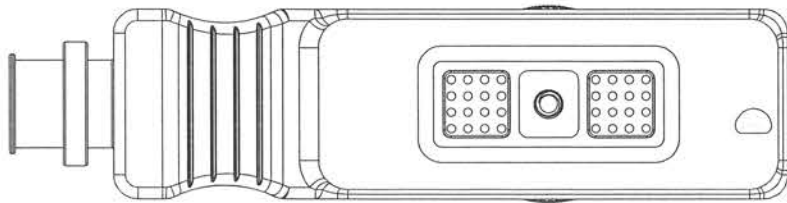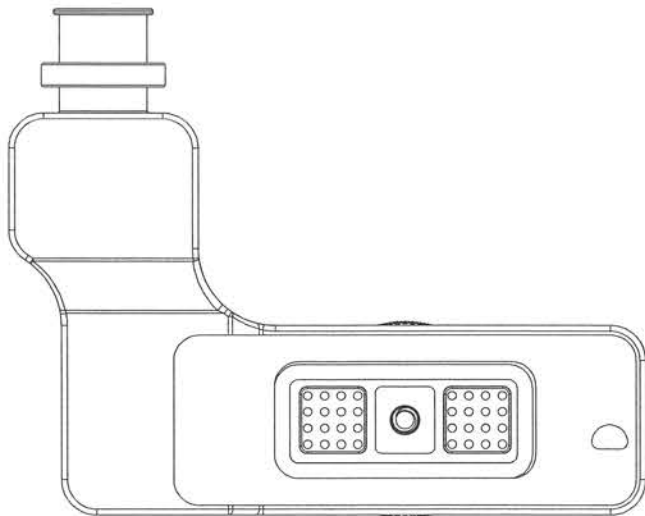MPC4001

RA REAR EXIT
MPC4002
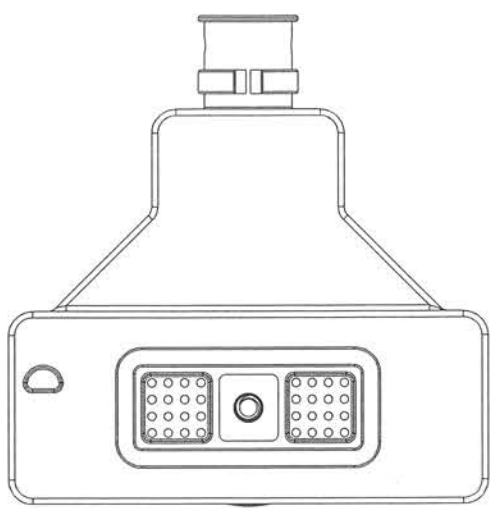
"T" FRONT EXIT
MPC4005

SIZE	DWG NO.		REV
B	MPC4000000		A
CODE: 58982	SCALE: 1.000	SHEET 2 OF 5	

AN/PRC-117G RADIO CONNECTOR
J6 PORT

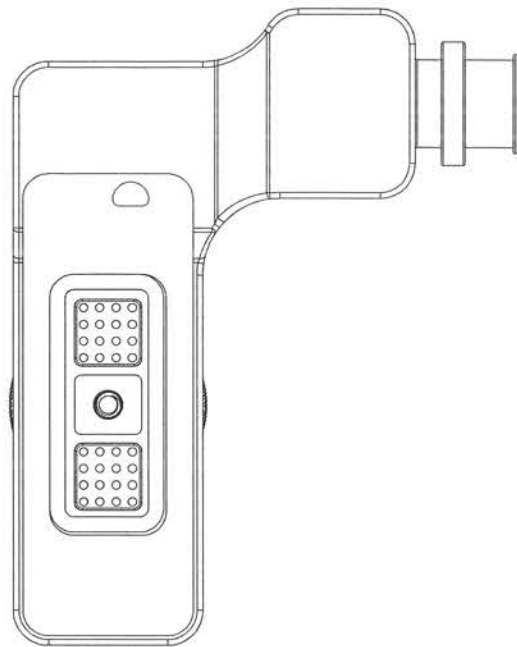SIDE EXIT
MPC4010

RA FRONT EXIT
MPC4011
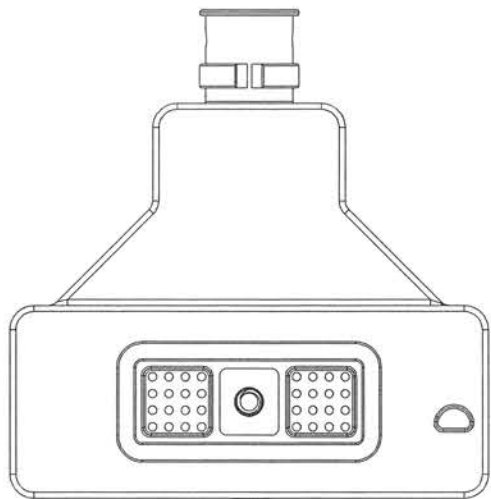
"T" FRONT EXIT
MPC4015
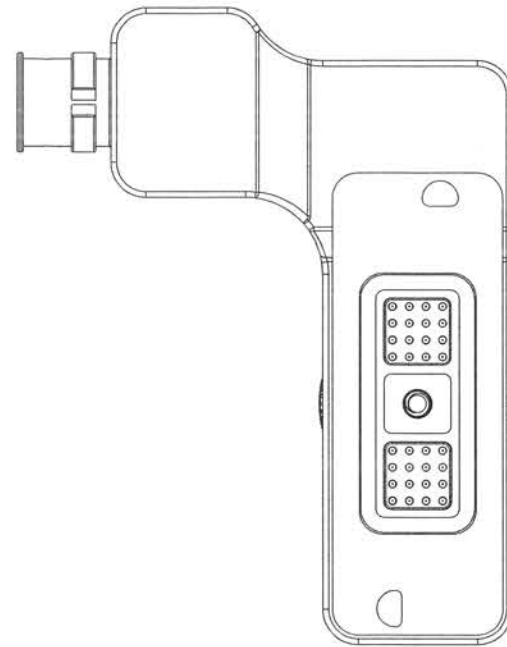
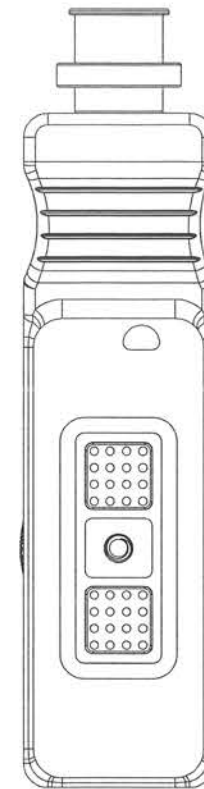| SIZE	DWG NO.		REV
B	MPC4000000		A
CODE: 58982	SCALE: 1.000	SHEET 3 OF 5	

AN/PRC-152 RADIO CONNECTOR

RA FRONT EXIT
MPC4021
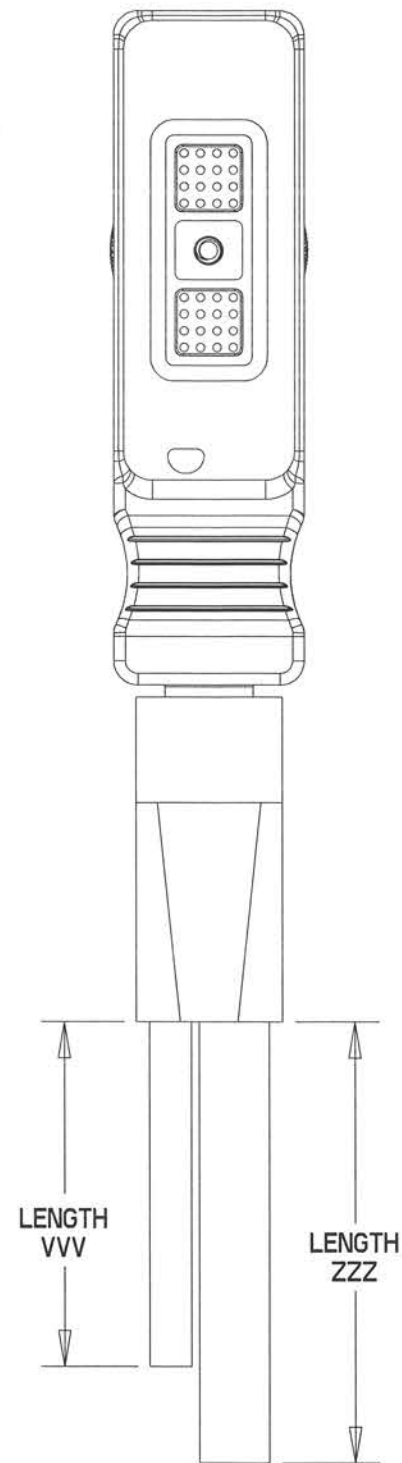
RA REAR EXIT
MPC4022

UP EXIT
MPC4023
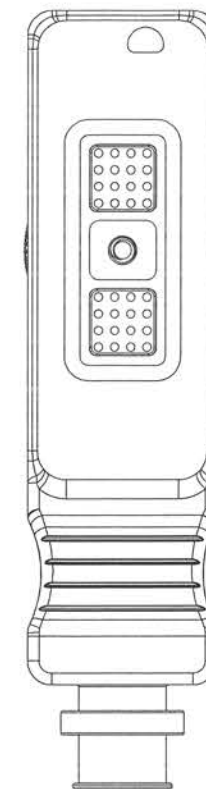
DOWN EXIT
MPC4024

SIZE	DWG NO.		REV
B	MPC4000000		A
CODE: 58982	SCALE: 1.000	SHEET 4 OF 5	

PRC PIGTAILS

LENGTH
ZZZ

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

LENGTH
VVV

LENGTH
ZZZ

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

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

Mouser Electronics

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Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol](#):
  [MPC4000](#) [MPC4002](#) [MPC4010](#) [MPC4024](#)