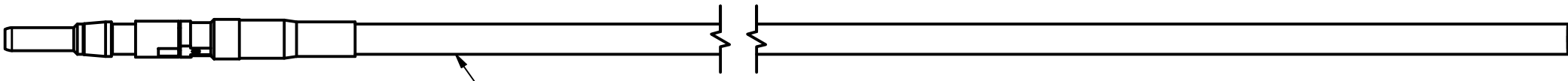


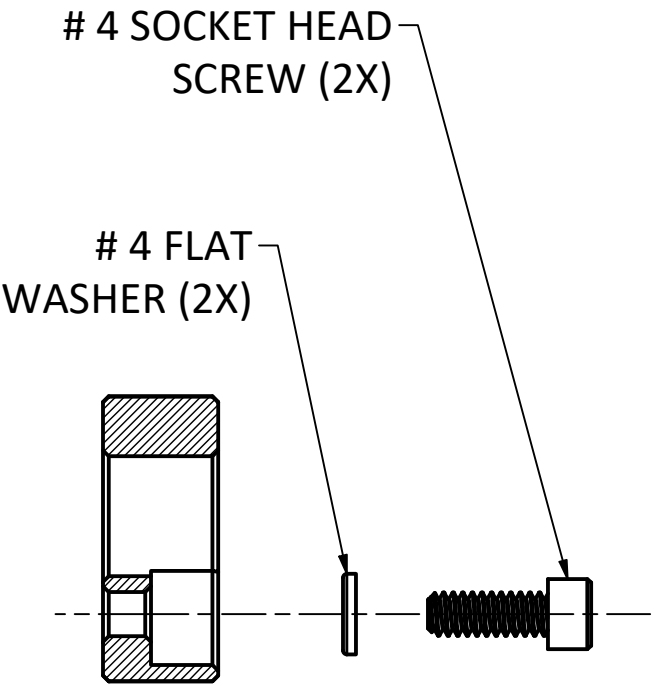
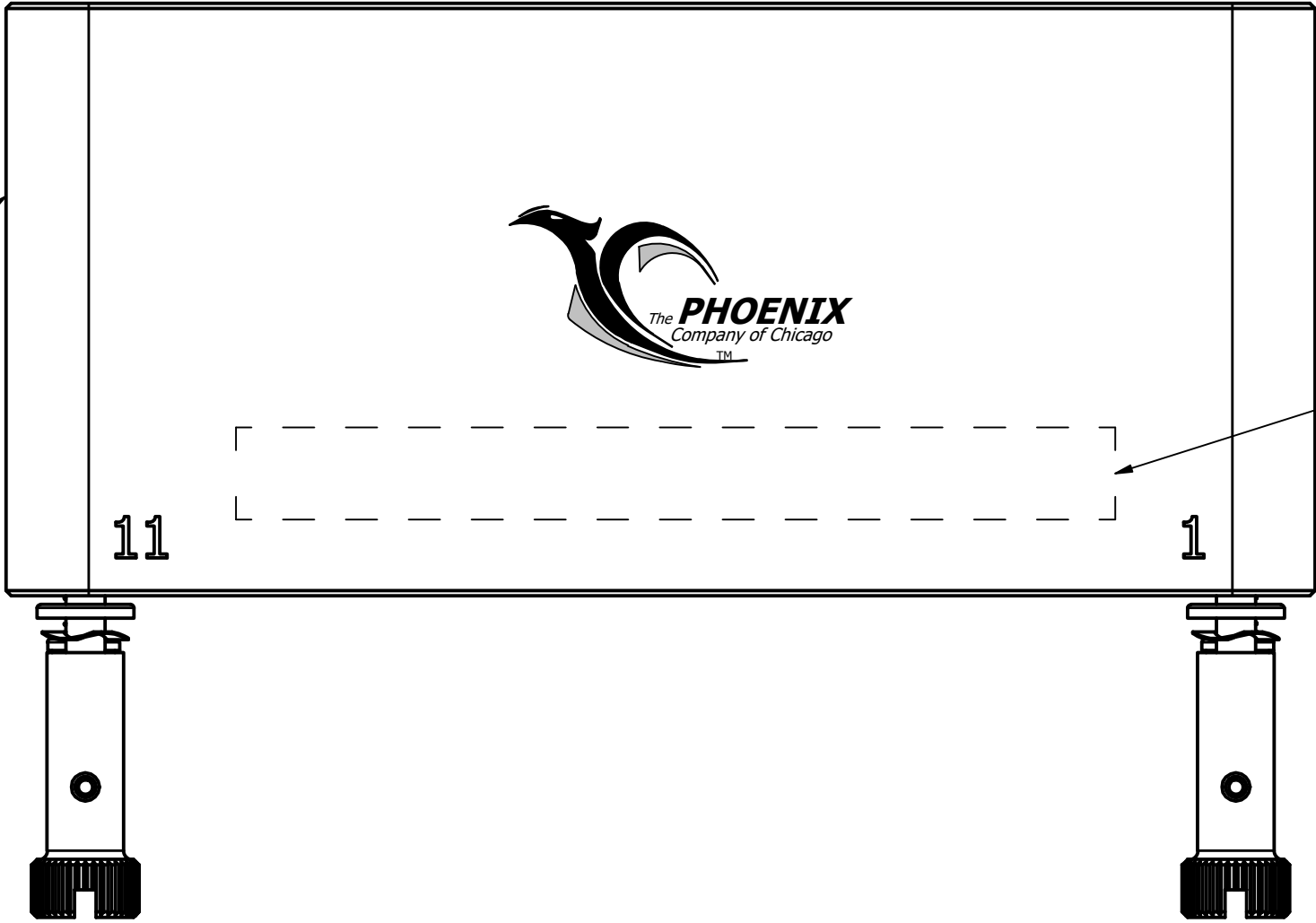
SPECIFICATIONS:

1. PART NUMBER (REFER TO CONFIGURATOR ON SHEET 3) AND DATE CODE
2. MATERIALS:
- a) PLUG HOUSING/CABLE GUIDE PLATE: ACETAL, COLOR: BLACK
  - b) HARDWARE: STAINLESS STEEL
  - c) PKZ® CONNECTOR:
    - BODY: BRASS
    - CONTACT: BERYLLIUM COPPER
    - INSULATOR: TEFLON
  - d) T0833: STAINLESS STEEL
  - e) T3136: STAINLESS STEEL
3. FINISHES:
- a) HARDWARE: PASSIVATED
  - b) PKZ BODY/CONTACTS: GOLD
4. ELECTRICAL PROPERTIES (APPLIES TO HOUSING ONLY):
- a) DIELECTRIC STRENGTH: 1,000 VOLTS RMS AT SEA LEVEL;  
325 VOLTS RMS AT 70,000 FEET
  - b) INSULATION RESISTANCE: 1 MEGOHM MINIMUM
5. ENVIRONMENTAL PROPERTIES:
- OPERATING TEMPERATURE: -40° F TO +194° F ( -40° C TO +90° C )
6. RF CABLE ASSEMBLY SPECIFICATIONS: REFER TO RF CABLE ASSEMBLY DRAWING (AVAILABLE UPON REQUEST)
7. KIT ASSEMBLY PARTS:
- a) PRX PLUG HOUSING ASSEMBLY
  - b) CABLE GUIDE PLATE ASSEMBLY
  - c) RF CABLE ASSEMBLIES
  - d) INSERTION TOOL
  - e) EXTRACTION TOOL

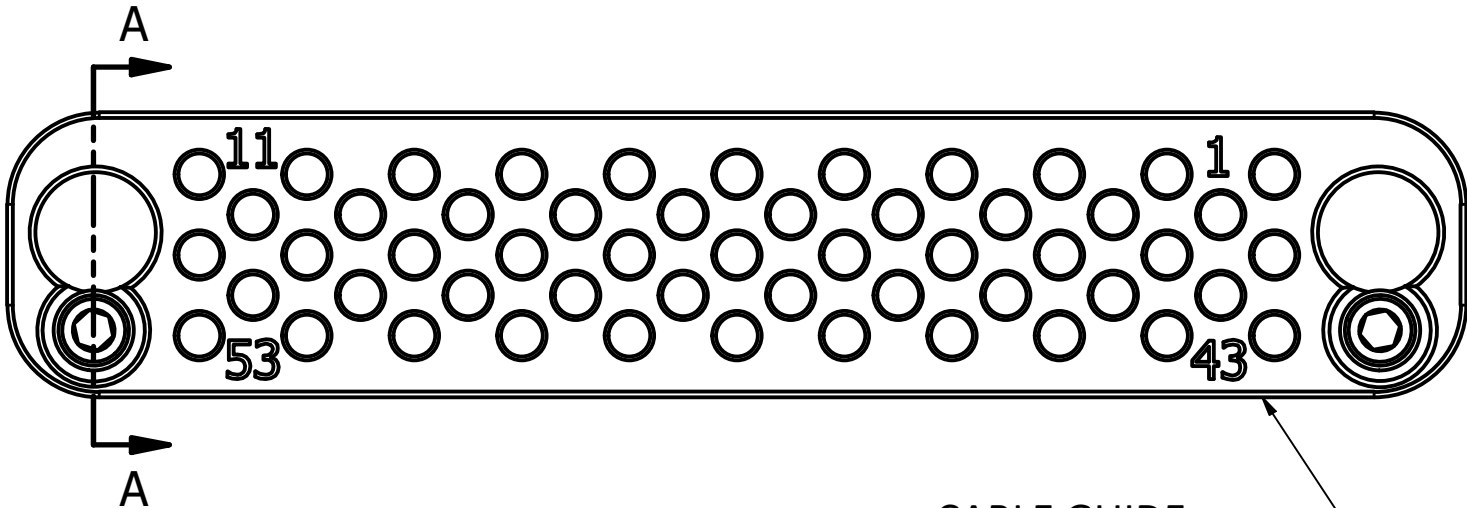


CABLE ASSEMBLY  
SEE NOTE 6

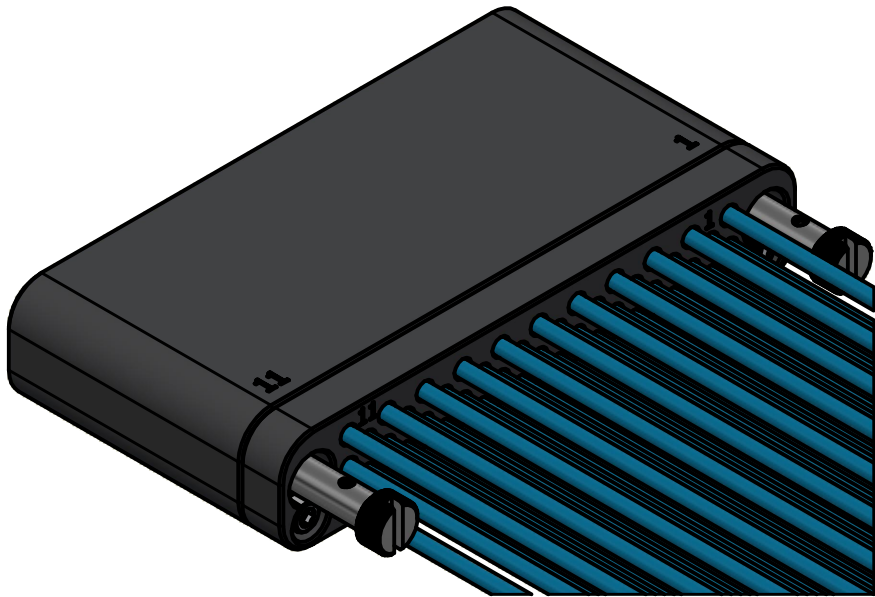
PX PLUG HOUSING  
ASSEMBLY



SECTION A-A



CABLE GUIDE  
PLATE ASSEMBLY



ASSEMBLED UNIT SHOWN

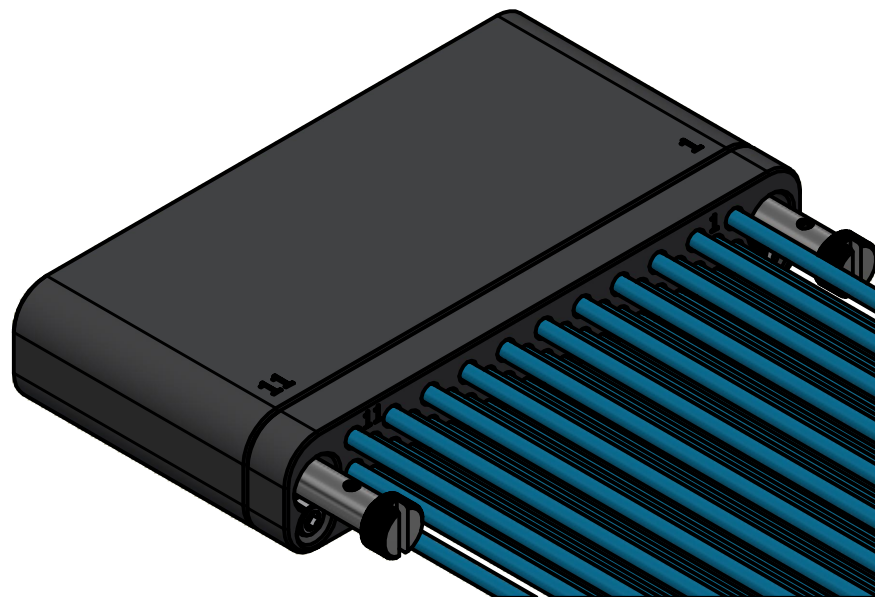
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						DRAWN		BP						3/25/2025	
						CHECKED		DW						3/28/2025	
						QA		JB						3/28/2025	
						MFG		VL		3/28/2025		TITLE  PX PLUG HARNESS KIT			
						ENGINEER		AH		3/28/2025					
						APPROVED		AH		3/28/2025					
						SCALE		2 : 1		F.S.R. #					



T3136 - ANGLED INSERTION TOOL  
SIZE 16 CONTACTS



T0833 - REMOVAL TOOL  
SIZE 16 CONTACTS



ASSEMBLED UNIT SHOWN

T3136	T0833
ANGLED INSERTION	REMOVAL
TOOL TABLE	

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DECIMALS: .XX ± .01  
XXX ± .003  
ANGLES: ± 1/2°

APPROVALS	DATE
DRAWN BP	3/25/2025
CHECKED DW	3/28/2025
QA JB	3/28/2025
MFG VL	3/28/2025
ENGINEER AH	3/28/2025
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TITLE

PX PLUG HARNESS KIT

SIZE C	FSCM 58167	DWG NO PXHKXXXXXXXXXX	REV A	PLATING OPT.
SCALE	1 : 1	F.S.R. #	SHEET 2	OF 4



PX Part Numbering System for Harness Kits

PXHK16F P64XXXX

SERIES DESIGNATION

CONNECTOR SERIES

PkZ SIZE 12, OR 16

12 = SIZE 12 PkZ CONTACTS 16 = SIZE 16 PkZ CONTACTS

PX HOUSING SIZE

F - FULL	FULL SIZE 12 # OF CONTACTS (48)	FULL SIZE 16 # OF CONTACTS (53)
H - HALF	HALF SIZE 12 # OF CONTACTS (23)	HALF SIZE 16 # OF CONTACTS (28)
Q - QUARTER	QUARTER SIZE 12 # OF CONTACTS (13)	QUARTER SIZE 16 # OF CONTACTS (13)

PLUG OR RECEPTACLE DESIGNATION

P = PLUG R = RECEPTACLE C = CABLE RECEPTACLE

CABLE TYPE

- 64 = TIMES #AA-7741 (T-FLEX 405HF)
- 23 = RG-178B/U (M17/93-RG178)
- 07 = RG-316/U (M17/113-RG316)
- BB = M17/151 (BELDEN 167A) .047 CONF.
- FN = 1.32mm 75 OHM U. FL CABLE, BLACK
- DY = 1.37mm, BLACK COAXIAL CABLE
- 17 = RG-179B/U (M17/94-RG179)
- FC = 75 OHM, .086 CABLE
- EK = .047 FLEXIBLE CABLE

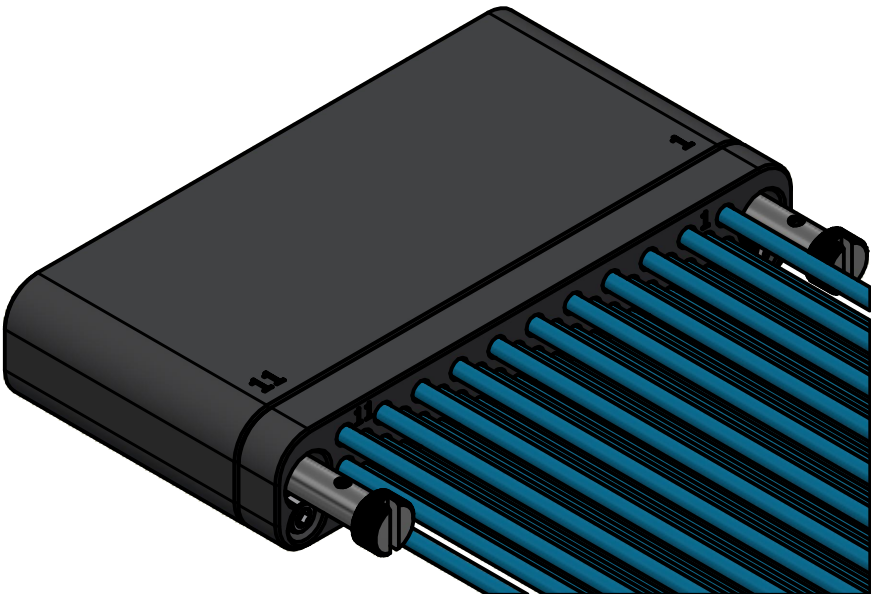
CABLE LENGTH (SHOWN FOR EAXMPLE)

"0000" IS FOR NO CABLE ASSEMBLIES INSTALLED

INCH DESIGNATIONS IN 1/2" INCREMENTS

- 060A = 6.0" 085A = 8.5"
- 065A = 6.5" 090A = 9.0"
- 070A = 7.0" 100A = 10.0"
- 075A = 7.5" 105A = 10.5"

NOTE: FOR SPECIAL CONFIGURATIONS NOT AVAILABLE FROM THE OTIONS LISTED ABOVE REPLACE THE LAST 4 CHARACTERS WITH XXXX



ASSEMBLED UNIT SHOWN

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	DRAWN BP	3/25/2025
	CHECKED DW	3/28/2025
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APPROVED AH	3/28/2025	

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TITLE

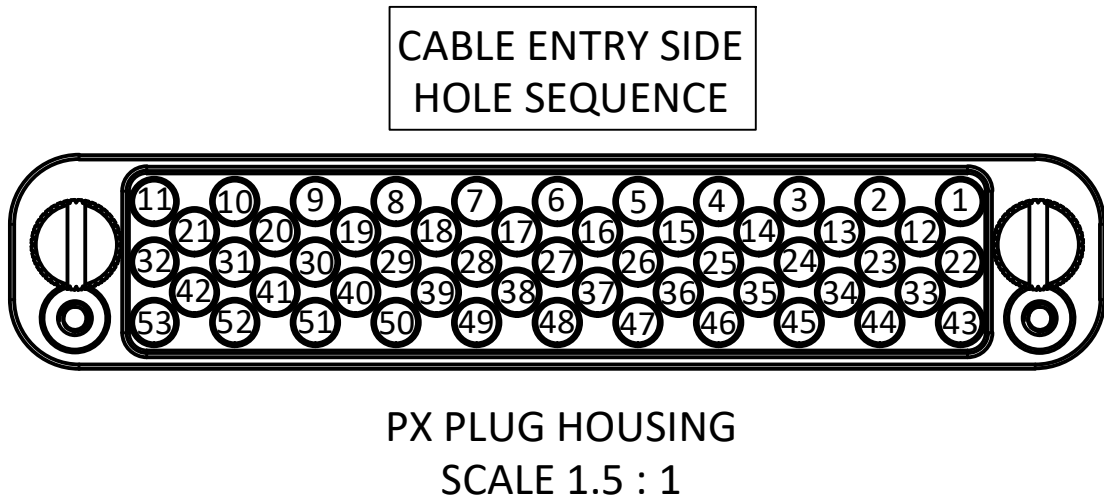
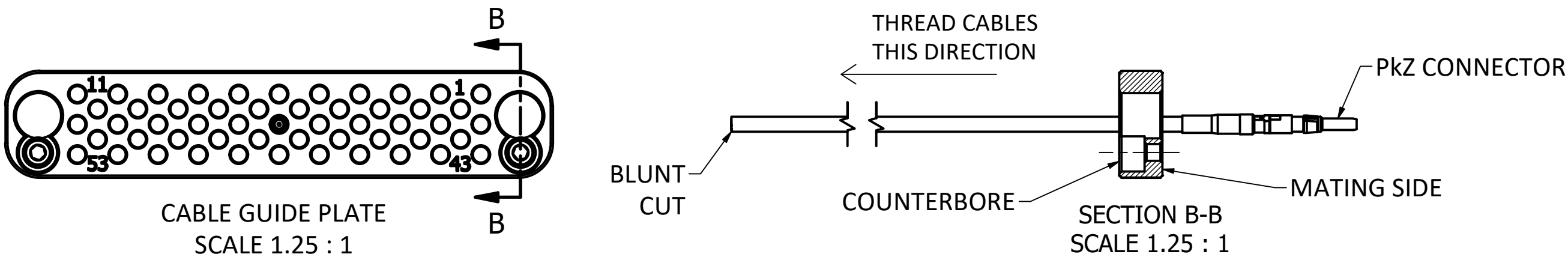
PX PLUG HARNESS KIT

SIZE	FSCM	DWG NO	REV	PLATING OPT.
C	58167	PXHKXXXXXXXXXX	A	

SCALE	1 : 1	F.S.R. #	SHEET	3	OF	4
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HARNESS ASSEMBLY INSTRUCTIONS

1. INSTALL CABLE ASSEMBLIES INTO THE CABLE GUIDE PLATE FROM MATING SIDE. THREAD THE BLUNT END OF EACH CABLE ASSEMBLY THRU THE ASSIGNED CABLE GUIDE PLATE HOLE POSITION (FIGURE 1 & SECTION B-B)



2. WITH THE PX PLUG HOUSING ASSEMBLY CABLE ENTRY SIDE FACING YOU, INSTALL THE PKZ END OF THE CABLE ASSEMBLY INTO THE CORRESPONDING HOLE POSITION OF THE HOUSING USING ANGLED INSERTION TOOL T3136, PKZ CONTACTS MUST SNAP INTO PLACE.

a) REPEAT FOR REMAINING CABLE ASSEMBLIES.

b) CABLE ASSEMBLIES CANNOT CRISS-CROSS BETWEEN PX PLUG HOUSING ASSEMBLY AND CABLE GUIDE PLATE.

3. SLIDE CABLE GUIDE PLATE INTO POSITION. FASTEN THE CABLE GUIDE PLATE TO THE PX PLUG HOUSING ASSEMBLY USING THE TWO SOCKET HEAD SCREWS & TWO No. 4 FLAT WASHERS (FIGURE 2)

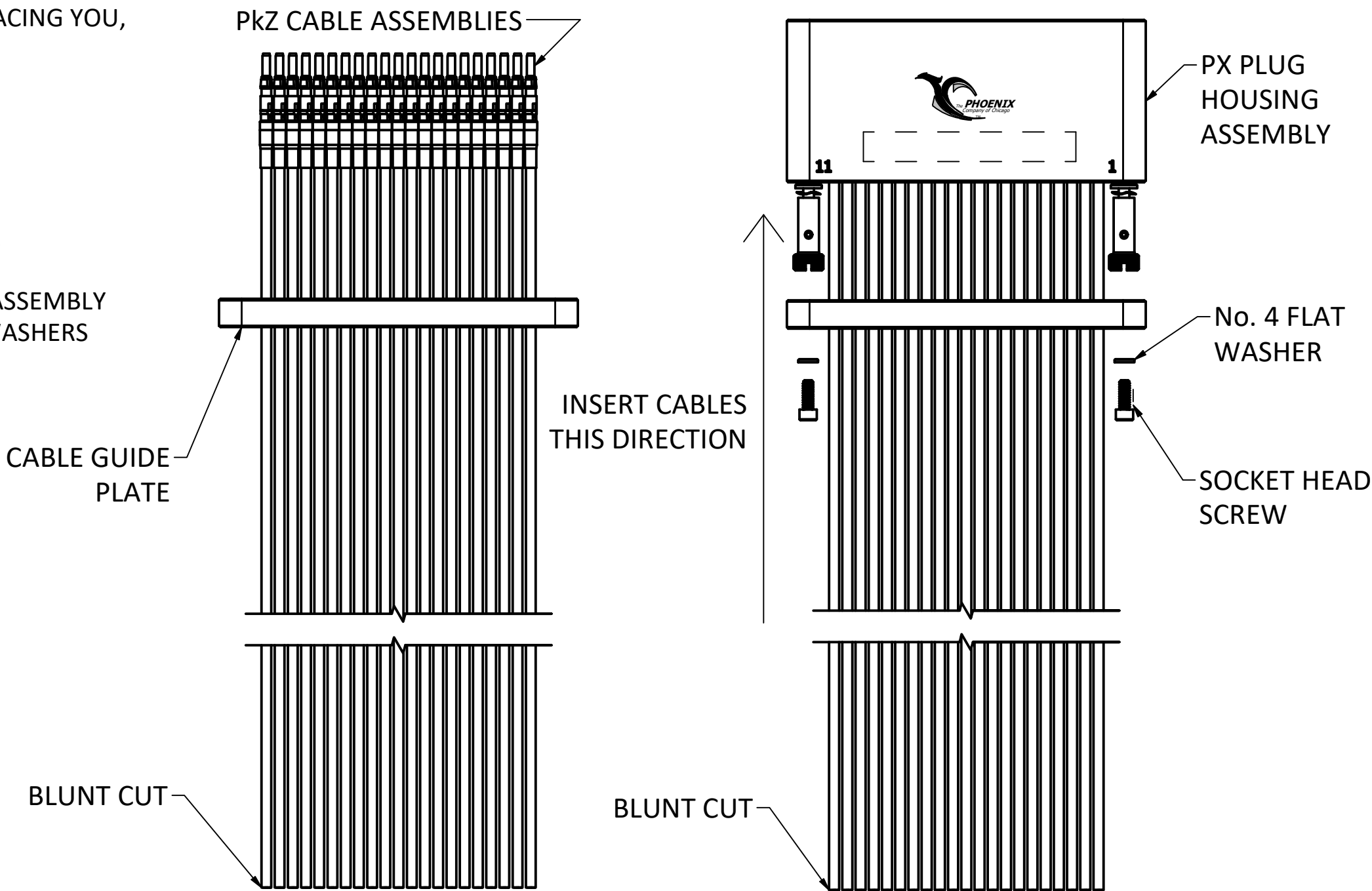
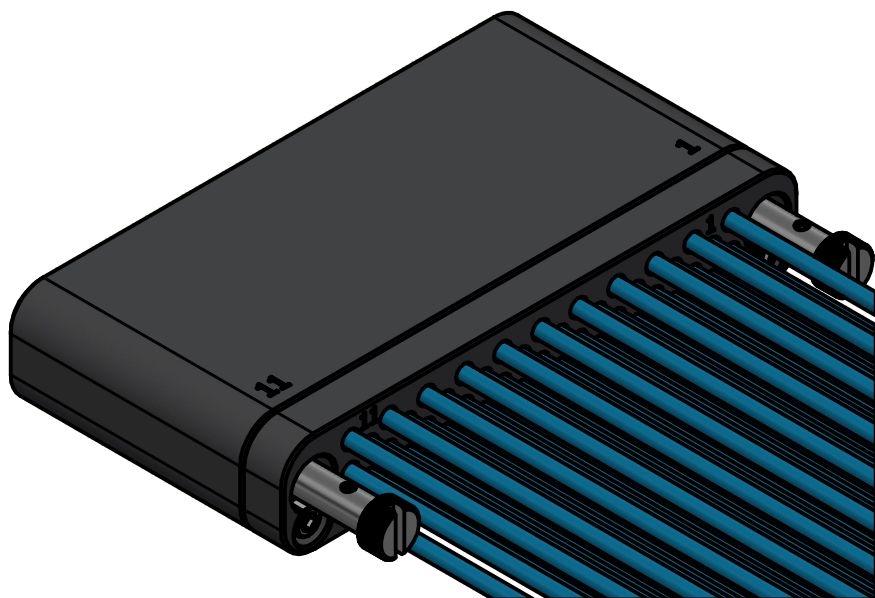


FIGURE 1  
SCALE .75 : 1

FIGURE 2  
SCALE .75 : 1

FIGURE 3  
SCALE .75 : 1



ASSEMBLED UNIT SHOWN

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DO NOT SCALE PRINTS

TOLERANCES ARE:  
FRACTIONS:  $\pm 1/64$   
DECIMALS:  $.XX \pm .01$   
XXX  $\pm .003$   
ANGLES:  $\pm 1/2^\circ$

APPROVALS	DATE	
DRAWN BP	3/25/2025	
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TITLE  PX PLUG HARNESS KIT					
SIZE C	FSCM 58167	DWG NO PXHKXXXXXXXXXX	REV A	PLATING OPT.	
SCALE 1 : 1	F.S.R. #	SHEET 4	OF 4		