PX16 PLUG HARNESS KIT

High Density Microwave for **PXIe**

FEATURES

53-Pin PX16 Plug Housing

Pre-Terminated Size-16 PkZ RF Cables

Contact Insertion Tool

Contact Extraction Tool

Assembly Instructions

Custom Lengths to an Unterminated End

1.37mm, RG-178, 316, 405, .047", and Custom Cable Options

Can be Ordered as a Complete Harness

APPLICATIONS

PXIe Instrument Modules

Test & Measurement

Broadcast

Medical

Military

SPECIFICATIONS

MATERIALS AND FINISHES

PKZ CONTACTS

Bodies:	Brass Per ASTM B16, Gold Over Nickel
Contacts:	Beryllium Copper Per ASTM B196 Or Brass Per ASTM B16, Gold Over Nickel
Insulators:	Virgin Teflon (PTFE) Per ASTM D1710

ELECTRICAL

PKZ CONTACTS

Impedance:	50 Ohms
Frequency:	Up to 67 GHz
Axial Mating:	.050"
VSWR:	Configuration Dependent

ENVIRONMENTAL

PKZ CONTACTS

Operating Temperature:	-55°C to +165°C
Vibration:	MIL-STD-202, Method 204, Test Condition D
Shock:	MIL-STD-202, Method 213, Test Condition I
Durability:	500 Cycles

The PHOENIX Company of Chicago

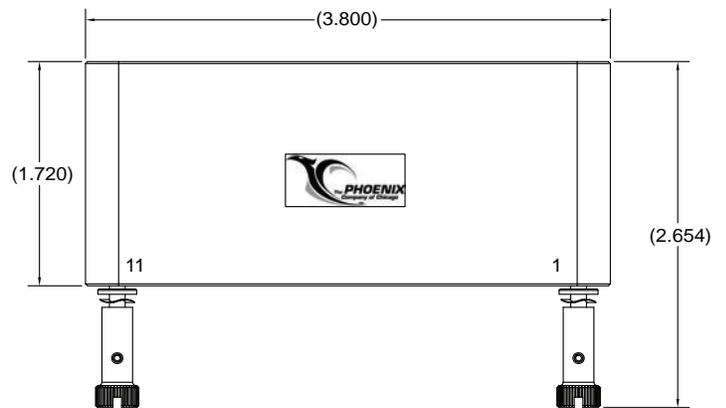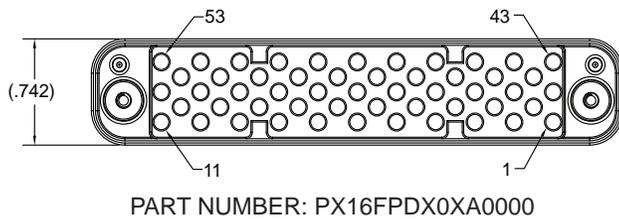*Leading Blindmate Microwave Contact Technology*

PX16 PLUG HARNESS KIT

KIT PART NUMBER: PXHK16FPxxxxxx

KIT ASSEMBLY PARTS:

a) PX16 Plug Housing Assembly
b) RF Cable Assemblies (Use Kit part number PXHK16FPxxxxxx to select the quantity, length,
   and type of RF cables required).
c) Extraction Tool
d) Insertion Tool
e) Assembly Instructions

53-PIN PX16 PLUG HOUSING

PART NUMBER: PX16FPDX0XA0000

Plug connector housing, 53-pin with jackscrews and guidepins installed.

PX16 PLUG HARNESS KIT

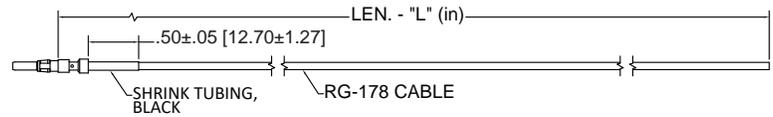## PkZ PLUG RF CABLE FOR RG-178

PART NUMBER: 156000023000XXX
Impedance: 50 Ohms.
Frequency: DC TO 3 GHz.
Hi-Pot & Continuity Test 100%

LEN. - "L" (in)
.50±.05 [12.70±1.27]
SHRINK TUBING, BLACK
RG-178 CABLE

Single PkZ plug RF cable with an unterminated end on RG-178 cable. The customer can specify the length through a part number menu in the drawing. Customer needs to trim and terminate the open end as described in the harness assembly instructions in PX16 kit drawing PXHK16FPxxxxxx.
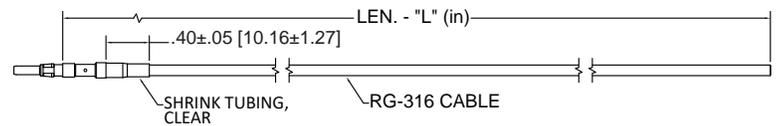
PkZ PLUG RF CABLE FOR RG-316

PART NUMBER: 156000007000XXX
Impedance: 50 Ohms.
Frequency: DC TO 3 GHz.
Hi-Pot & Continuity Test 100%

LEN. - "L" (in)
.40±.05 [10.16±1.27]
SHRINK TUBING, CLEAR
RG-316 CABLE

Single PkZ plug RF cable with an unterminated end on RG-316 cable. The customer can specify the length through a part number menu in the drawing. Customer needs to trim and terminate the open end as described in the harness assembly instructions in PX16 kit drawing PXHK16FPxxxxxx.
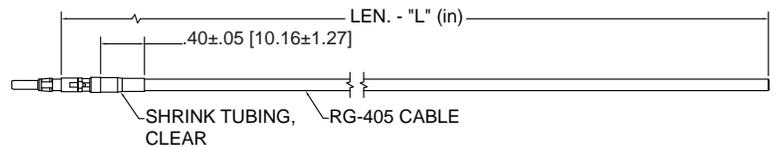
PkZ PLUG RF CABLE FOR RG-405

PART NUMBER: 156000064000XXX
Impedance: 50 Ohms.
Frequency: DC TO 50 GHz.
Hi-Pot & Continuity Test 100%

LEN. - "L" (in)
.40±.05 [10.16±1.27]
SHRINK TUBING, CLEAR
RG-405 CABLE

Single PkZ plug RF cable with an unterminated end on RG-405 cable. The customer can specify the length through a part number menu in the drawing. Customer needs to trim and terminate the open end as described in the harness assembly instructions in PX16 kit drawing PXHK16FPxxxxxx.
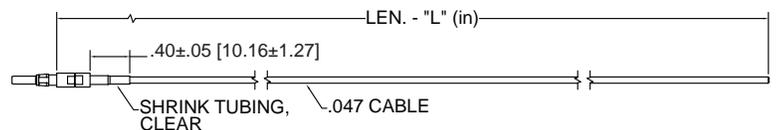
PkZ PLUG RF CABLE FOR M17/151 (.047)

PART NUMBER: 1560000EK000XXX
Impedance: 50 Ohms.
Frequency: DC TO 18 GHz.
Hi-Pot & Continuity Test 100%

LEN. - "L" (in)
.40±.05 [10.16±1.27]
SHRINK TUBING, CLEAR
.047 CABLE

Single PkZ plug RF cable with an unterminated end on M17/151 (.047) cable. The customer can specify the length through a part number menu in the drawing. Customer needs to trim and terminate the open end as described in the harness assembly instructions in PX16 kit drawing PXHK16FPxxxxxx.
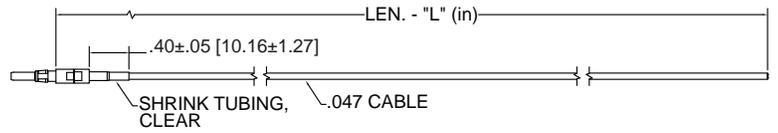
PX16 PLUG HARNESS KIT

PkZ PLUG RF CABLE FOR M17/151 (.047)

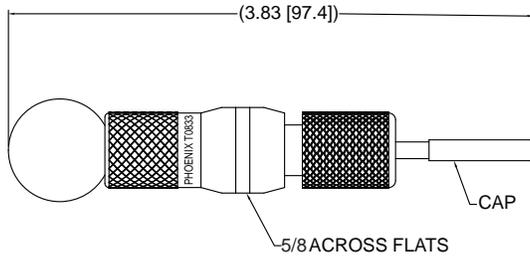**PART NUMBER: 1560000EK200XXX**
Impedance: 50 Ohms.
Frequency: DC TO 50 GHz.
Hi-Pot & Continuity Test 100%

LEN. - "L" (in)

.40±.05 [10.16±1.27]

SHRINK TUBING,
CLEAR

.047 CABLE

Single PkZ plug RF cable with an unterminated end on M17/151 (.047) cable. The customer can specify the length through a part number menu in the drawing. Customer needs to trim and terminate the open end as described in the harness assembly instructions in PX16 kit drawing PXHK16FPxxxxxx.
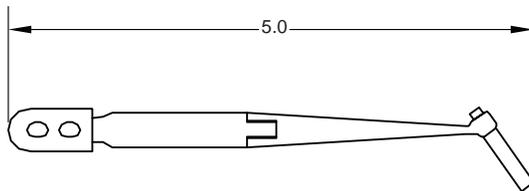
PX16 PLUG HARNESS KIT

PKZ EXTRACTION TOOL FOR PX16 HOUSINGS

(3.83 [97.4])

PHOENIX T0833

CAP

5/8 ACROSS FLATS

PART NUMBER: T0833
PkZ contact extraction tool for size-16 contacts for PX16 housings.

PKZ INSERTION TOOL FOR PX16 HOUSINGS

5.0

PART NUMBER: T3136
PkZ contact insertion tool for size-16 contacts into PX16 housings.