

PX16 PLUG HARNESS KIT

High Density Microwave
for PX1e



FEATURES

53-Pin PX16 Plug Housing

Pre-Terminated Size-16 PKZ RF Cables

Cable Guide Plate

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

PX1e 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



Leading Blindmate Microwave Contact Technology

www.phoenixofchicago.com

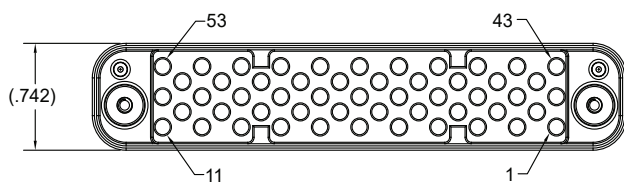
PX16 PLUG HARNESS KIT

KIT PART NUMBER: PXHK16FPxxxxxx

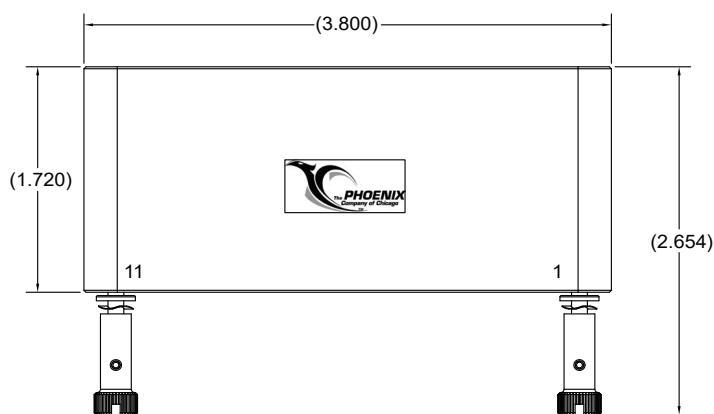
KIT ASSEMBLY PARTS:

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

53-PIN PX16 PLUG HOUSING

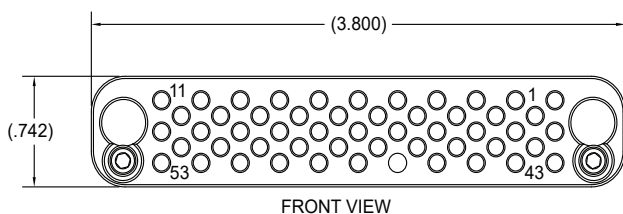


PART NUMBER: PX16FPDX0XA0000

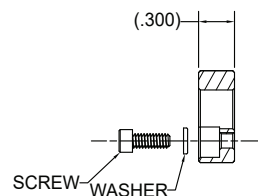


Plug connector housing, 53-pin with jackscrews and guidepins installed.

PX16 CABLE GUIDE PLATES



FRONT VIEW



Cable Guide Plate P/N

PX16FGPK01
PX16FGPK02
PX16FGPK03
PX16FGPK04

Cable Groups

RG-405
RG-174, RG-179, RG-189, RG-316
1.37MM, RG-178, RG-196
.047 CABLE

The Cable Guide Plate part number provided in the kit will automatically be assigned when the cable type is selected from page 3 of PX16 Plug Harness Kit drawing PXHK16FPxxxxxx.

PX16 PLUG HARNESS KIT

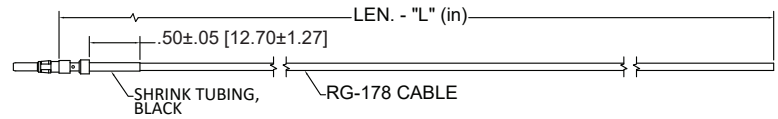
PkZ PLUG RF CABLE FOR RG-178

PART NUMBER: 156000023000XXX

Impedance: 50 Ohms.

Frequency: DC TO 3 GHz.

Hi-Pot & Continuity Test 100%



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.

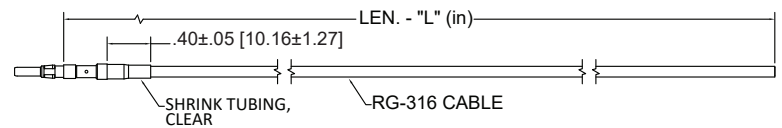
PkZ PLUG RF CABLE FOR RG-316

PART NUMBER: 156000007000XXX

Impedance: 50 Ohms.

Frequency: DC TO 3 GHz.

Hi-Pot & Continuity Test 100%



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.

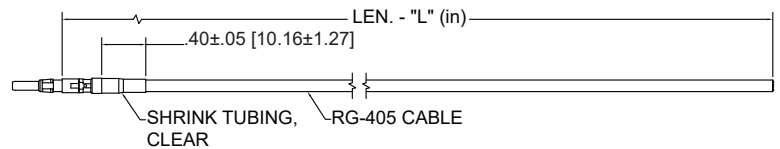
PkZ PLUG RF CABLE FOR RG-405

PART NUMBER: 156000064000XXX

Impedance: 50 Ohms.

Frequency: DC TO 18 GHz.

Hi-Pot & Continuity Test 100%



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.

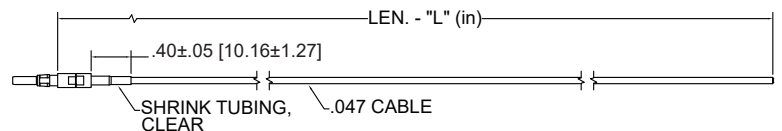
PkZ PLUG RF CABLE FOR M17/151 (.047)

PART NUMBER: 1560000EK000XXX

Impedance: 50 Ohms.

Frequency: DC TO 67 GHz.

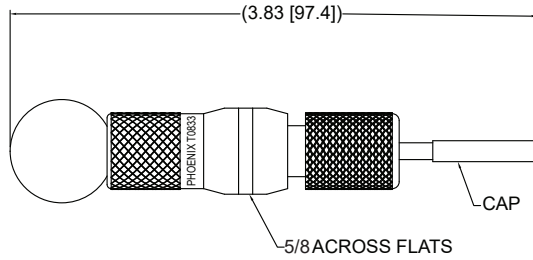
Hi-Pot & Continuity Test 100%



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

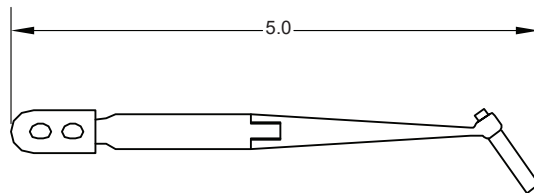
PKZ EXTRACTION TOOL FOR PX16 HOUSINGS



PART NUMBER: T0833

PkZ contact extraction tool for size-16 contacts for PX16 housings.

PKZ INSERTION TOOL FOR PX16 HOUSINGS



PART NUMBER: T3136

PkZ contact insertion tool for size-16 contacts into PX16 housings.

LEARN MORE

