

CORNING

## INTRODUCING THE WORLDS SMALLEST LOW LOSS CABLE ASSEMBLY FOR MISSION CRITICAL APPLICATIONS

**ECM INTRODUCES THE FIRST G4PO CABLE ASSEMBLIES FOR HIGH DENSITY, HIGH FREQUENCY APPLICATIONS ON 0.041" COAXIAL CABLE.**

FOR OVER TWO DECADES CORNING HAS BEEN THE **LEADER IN MINATURE HIGH FREQUENCY, HIGH PERFORMANCE** INTERCONNECT SOLUTIONS DRIVEN BY THEIR **GILBERT®** SERIES OF PRECISION RF CONNECTORS. THEIR **GPO™, GPPO™ G3PO™ AND G4PO™** SERIES HAVE BECOME SYNONYMOUS WITH THE INDUSTRIES BEST PERFORMANCE FOR MISSION CRITICAL MILITARY & DEFENSE APPLICATIONS.

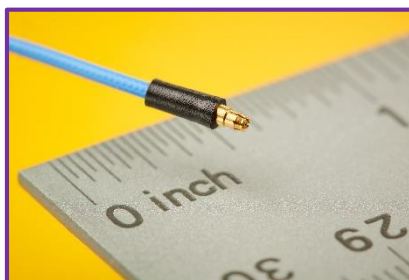
AT EAST COAST MICROWAVE (ECM) WE BRING YOU THE VERY BEST IN **HIGH PERFORMANCE, LOW LOSS CUSTOM CABLE ASSEMBLIES** ON A RAPID TURNAROUND. OUR UNIQUE MANUFACTURING PROCESS IS STRUCTURED TO SUPPORT **HIGH MIX, LOW TO MEDIUM VOLUME** DEMANDS WITH LEADTIMES OF **2-4 WEEKS<sup>1</sup> STANDARD AND 48 HOURS<sup>1</sup>** FOR OUR ULTRA RAPID DELIVERY SERVICE.

### FEATURED PRODUCT.

CORNING'S G4PO™ INTERCONNECT SERIES OFFERS A BLIND MATE INTERCONNECT THAT HAS A CENTER-TO-CENTER SPACING OF 0.070 IN AND WEIGHS JUST 5.0 MG. THIS SERIES IS DESIGNED TO ACCOMMODATE BOTH RADIAL AND AXIAL MISALIGNMENT WITH NEGLIGIBLE VOLTAGE STANDING WAVE RADIO (VSWR) CHANGE TO ENSURE HIGH PERFORMANCE IN HIGH-STRESS ENVIRONMENTS WITHIN THIS SERIES.

OPERATIONAL UP TO 60GHz (50Ω IMPEDANCE) ON 0.041" LOW LOSS COAXIAL CABLE, THESE NANO CABLE ASSEMBLIES OFFER MAXIUM PERFORMANCE IN ULTRA HIGH DENSITY APPLICATIONS AND ARE AVAILABLE IN FULL DETENT OR SMOOTH BORE OPTIONS.

CORNING ALSO OFFERS ADAPTERS AVAILABLE IN 1.85MM, AND 2.92MM VERSIONS.



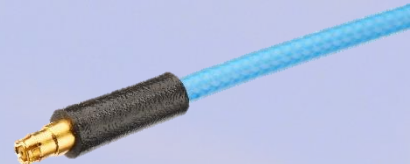
### ECM CAPABILITIES.

- TESTING FOR VSWR & ATTENUATION UP TO 40 GHZ
- PHASE MATCHING
- HI-POT & CONTINUITY TESTING
- PRECISE STRIPPING
- PRECISE CUTS
- PNEUMATIC CRIMPING
- RESISTIVE SOLDERING STATIONS
- THERMAL LABEL MARKING

### ECM CERTIFICATIONS

- AS9100D / ISO 9001:2008 / ISO 14001:2015 CERTIFIED
- ALL PRODUCTION STAFF ARE IPC / WHMA-A620C CERTIFIED
- ITAR REGISTERED

<sup>1</sup>Lead-times subject to availability of Cables and Connectors



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## PRODUCT INFORMATION

- ALL CABLE ASSEMBLIES BUILT WITH CORNING'S G4PO™ FEMALE CONNECTORS ON 0.041" COAXIAL CABLE
- AVAILABLE WITH BOTH STRAIGHT AND RIGHT ANGLE OPTIONS.
- PHASE MATCHING OF ASSEMBLIES AVAILABLE UPON REQUEST.

## HOW TO ORDER YOUR G4PO™ CABLE ASSEMBLY

PART NUMBER	CONNECTOR 1	CONNECTOR 2	CABLE TYPE
CA4PO-SF-2SF-XX <sup>2</sup>	G4PO STRAIGHT FEMALE	2.92mm STRAIGHT FEMALE	0.041" FLEX
CA4PO-SF-SF-XX	G4PO STRAIGHT FEMALE	G4PO STRAIGHT FEMALE	0.041" FLEX
CA4PO-RF-2SF-XX	G4PO R/A FEMALE	2.92mm STRAIGHT FEMALE	0.041" FLEX
CA4PO-RF-RF-XX	G4PO R/A FEMALE	G4PO R/A FEMALE	0.041" FLEX
CA4PO-SF-RF-XX	G4PO STRAIGHT FEMALE	G4PO R/A FEMALE	0.041" FLEX

NOTE <sup>2</sup>: XX = LENGTH OF CABLE ASSEMBLY IN INCHES

## G4PO™ ADAPTERS

### G4PO™ MALE TO 1.85MM JACK



#### PART NUMBERS:

- 1S3M1-0503-01 (FULL DETENT)
- 1S4M1-0503-01 (LIMITED DETENT)
- 1S5M1-0503-01 (SMOOTH BORE)

### G4PO™ MALE TO 2.92MM PLUG



#### PART NUMBERS:

- 1S3D2-0503-01 (FULL DETENT)
- 1S4D2-0503-01 (LIMITED DETENT)
- 1S5D2-0503-01 (SMOOTH BORE)

**EAST COAST MICROWAVE SALES & DISTRIBUTION LLC**

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