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Who We Are

Corning Gilbert Inc. is the pioneering leader in the engineering, development and production of quality coaxial connectors for cable television, broadband, military telecommunications and wireless systems for use in the RF range from DC up to 65 Ghz. In operation since 1957, our products are the favored connectors of choice for designengineers seeking high performance machined interconnects to meet OEM specifications.

We offer a full range of standard and custom coaxial connectors, adapters and cable assemblies to meet customer OEM, LAN, and data transmission requirements. Our connectors and adapters are designed for dependability and superior electrical characteristics. They are used in a wide range of applications such as VSAT, DSS, Process Control Systems, HFC nodes, amplifiers and headend equipment in commercial and MIL Spec grades and are designed in 75 and 50 ohm characteristic impedance. Our broadband and baseband OEM network cable products provide solutions for interconnection requirements and offer the highest quality in wiring. Our commitment is to provide total quality, technical innovation and superior customer satisfaction Our core technical competencies are RF connector design including mechanical and electrical characterization, metals and plastic materials science, high volume precision machining, and assembly operations.

With Corning Gilbert's vast experience and history in connector design our design staff is able to continually

develop new products that meet our customer's most challenging requirements. Customers appreciate Corning Gilbert's intelligent designs, which provide ease of installation, flexibility and reliability.

Corning Gilbert has three manufacturing facilities with over 500,000 square feet collectively. Our products are sold globally, with locations in Phoenix and Glendale, Arizona and Vordingborg, Denmark. All facilities meet ISO 9001 standards and follow stringent production guidelines providing our customers with the highest level of reliability, consistency and quality. We certify each order with quality control testing data, certificates of compliance and detailed product descriptions. These rigorous standards ensure we will exceed established industry guidelines. Corning Gilbert, connectivity solutions you can count on!

Established in 1851, Corning Incorporated

(www.corning.com) creates leading-edge technologies for the fastest growing markets of the world's economy. Corning manufactures optical fiber, cable and photonic products for the telecommunications industry; and high-performance displays and components for television, information technology and other communications-related industries. The company also uses advanced materials to manufacture products for scientific, semiconductor and environmental markets.



Customer Care

Service and Support

We are dedicated to providing our customers with prompt responsiveness and make it easy for you to do business with us. From your initial contact, we will assist you through:

- the quotations and sales processes,
- provision of on-going order status,
- · procurement of product samples, and
- · coordination of order delivery and invoicing.

Our Customer Care Team will assist you in locating the nearest Corning Gilbert Sales Representative. If your preference is to buy through a distributor, we can refer you to the closest distributor in your area. Customer Care support is available during the week (Monday -Friday) from 7:00 a.m. to 5:00 p.m. (Pacific Standard Time in summer, Mountain Standard Time in winter) at 800-528-5567; international contact +1 623-245-1050. Customer Care e-mail is also available at info-gilbert@corning.com or visit our website at www.corning.com/corninggilbert.

Technical Support

For ready access to a broad range of technical information contact our Technical Support Team:

800-528-0199 ext. 8300 (U.S. and Canada) +1-623-245-1050 (International) email techinfo-gilbert@corning.com

Our technical support team is available to answer your calls Monday through Friday from 7:00 am to 5:00 pm (Pacific Standard Time in summer, Mountain Standard Time in winter).

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International Sales Offices	Brazil, China, Czech Republic, France, India, Puerto Rico, Singapore, United Kingdom			



"F" Series Panel Mount

Unless noted, body material is brass, contact material is BeCu, dielectric material is polypropylene or polyethylene, plating is bright acid tin.



Catalog Number	THD Flats		
GF-61-AS	DD		
NS-3243-1	None		

Flat Solder Tab Panel Mount Note: Contact fixed parallel to hex flat on NS-3243-1



Catalog Number NS-3594-1



Catalog Number THD Flats
NS-8086-1 None
NS-3139-1 DD

Flat Solder Post Panel Mount w/ Retaining Ring

Panel Mount



Note: Contact per MIL M39029/32-259

Dielectric

PTFE

THD Flats

DD

Catalog Number

NS-6888-1

High Current Capabilities Panel Mount

Catalog Number	Insulator	
NS-2793-1	PTFE	



Panel Mount Pressure Sealed

Catalog Number GF-61-A-MOD



Panel Mount with O-Ring Seal



Flat Solder Tab Panel Mount Center Hex



Catalog Number	THD Flats
GF-61	DD

Catalog Number

GF-61-AA

GF-61-A

THD Flats

DD

None

2Ghz Panel Mount w/o O-Ring



Catalog NumberInsulatorGF-61-SAPTFE

Pressure Sealed Panel Mount with O-Ring



Pressure Sealed Panel Mount









Note: Thread Relief can be used to accomodate O-Ring

Catalog Number	Insulator	
NS-2794-1	PTFE	

Catalog Number

GF-61-S



Catalog Number	AØ	Insulator	
NS-3624-1	.025031	PTFE	
NS-3624-3	.036040	PTFE	
NS-3624-9	.029033	PTFE	

2 GHz Bulkhead Flange Mount with O-Ring



"F" Series Splices

Unless noted, body material is brass, contact material is BeCu, insulator is PE or PP, plating on body and contact is Sn plating.

Splices



Catalog Number	THD Flats
GF-81	None
NS-2980-3	DD
NS-2980-7	SD

Standard Splice Phosphor Bronze Contact



 Catalog Number
 THD Flats

 GF-81-A
 None

 NS-2980-1
 DD

 NS-2980-5
 SD

Compact Splice



Catalog Number GF-81-C

Wide Hex Splice

Splices

Catalog Number

GF-81-S



Long Splice

Catalog Number GF-81-B

	1.14	 1	
45 -	1		
	28-		ACCEPTS .020Ø047Ø c/c TYP.

Extra Wide Hex Splice

Catalog Number	THD Flats	Contact Plating	Insulator
NS-2980-15	SD	Sn	PTFE
NS-2980-19	SD	AU	PTFE
NS-2980-9	DD	Sn	PP



Center Hex Splice Phosphor Bronze Contact

BulkHead Mount



Precision GF-81 Style

The Corning Gilbert line of precision GF-81 connectors is available in both sealed and non-sealed configurations. The sealed configurations utilize a unique, low durometer, rubber membrane seal which provides a moisture-resistant barrier to protect the contact of the connector, even after multiple matings. The contact is a precision machined socket. This machined socket has a limited contact diameter range which it can accommodate. Selection of the proper size socket for the cable being used is necessary. A solution to this limitation is the use of Corning Gilbert DataGrade[™] connectors with a .032Ø center pin which will allow any cable to safely be mated with the socket.



Precision GF-81 Style



2 GHz Moisture Sealed Panel Mount Splice



2 GHz Standard Splice

GF-81-HP-59	None	
GF-81-HP-59-DD	DD	

Catalog	Number	THD Flats

Catalog Number THD Flats

Catalog Number

NS-3575-3



3 GHz Standard Splice





Unless noted, body material is brass, contact material is BeCu, solder post is brass, insulator is PE or PP, plating on body and contact is Sn plating. PTFE Insulator provided near PCB legs to absorb soldering heat.

PC Board Mount & Push-On



PCB Threaded Adapter

Note: Used to adapt 61 style panel mount to pcb mount



PCB Male Push-On



Catalog Number A Dim Cable Type NS-3580-1 .290 RG-59 NS-3580-3 .312 RG-59 NS-3580-9 .342 RG-59 NS-3580-5 .312 RG-6 NS-3580-7 .342 RG-6

PCB Direct Cable Attachment

Catalog Number

GF-1007-1

Catalog Number NS-6700-1

PC Board Mount & Straight Launch

Catalog Number	Thd Flats	Dielectric	
GF-61-APC	None	PP	
NS-5662-1	None	PTFE	



Vertical PCB Mount



Vertical PCB Mount



Vertical High-Standoff PCB Mount

Catalog Number NS-3396-1

Catalog Number GF-1103-1

PC Board Mount & Straight Launch



Catalog Number GF-61-APC/S

Vertical Reduced Height PCB Mount



Catalog Number NS-6275-1

Vertical Moisture Sealed PCB Mount



Catalog Number NS-6275-7

PC Board Mount & Edge Launch

Catalog Number	Thd Flats	Contact Finish	
GF-61-PCE/064	None	Sn	
GF-61-PCE/064DD	DD	Sn	
NS-3436-17	None	Au	



PCB Edge Mount

.21
.10
BOARD

2 GHz Edge Mount



Notched PCB Edge Mount

er Thd Flats	Dielectric	
SD (top)	PP	
DD (top/bottom)	PP	
SD (top)	PTFE	
SD (side)	PP	
	SD (top) DD (top/bottom) SD (top)	SD (top)PPDD (top/bottom)PPSD (top)PTFE

PC Board Mount & Right Angle Launch



Catalog Number	Contact Finish	
GF-61-APC/90-L	Sn	
NS-5662-1	Au	

Long Right Angle PCB Mount



Catalog Number	Contact Finish	
NS-3292-7	Sn	
NS-6767-9	Au	

Low Profile Right Angle PCB Mount



Catalog Number	Thd Flats	Dielectric
GF-61-APC/90	Sn	PP
NS-3292-27	Sn	PTFE

Standard Right Angle PCB Mount

PC Board Mount & Right Angle Launch



Lengthened D-cut Right Angle PCB Mount



Compact Right Angle PCB Mount

			MALE
.62 .24 .62 .24	┦┟╶┎╁╴┟╌┶┉┉┉╶┈	/2-28 THD. ACCEPTS .02000510 c/c	Interchangeable Right Angle PCB Mount





Quick Disconnects



Catalog Numl	per Socket	AØ	BØ	Compression Ring
GPF-59	Flat Spring	.020047Ø	.040Ø	Wire
NS-2467-1	2 GHz	.025031Ø	.025Ø	Wire
NS-2467-3	2 GHz	.025031Ø	.025Ø	C-clip
NS-2467-5	2GHz	.025031Ø	.031Ø	C-clip
NS-2467-7	Flat Spring	.020047Ø	.040Ø	C-clip

Quick Disconnect Adapter



3 GHz Quick Disconnect Adapter



Panel Mount Quick Disconnect Adapter

Catalog Number

87535502

Plating

NiTin

Catalog Number	Body/Contact	Plating	Insulator
NS-2718-1	BeCu	BA	PTFE

Unless noted, body and pin material is brass, insulator is PTFE, plating on components is BA.

Catalog Number	Pin Plating	AØ	Braid Coverage
NS-5809-7	Au	.290	Low % Single Braid
NS-5809-23	Sn	.290	Low % Single Braid
NS-5809-9	Au	.312	High % Single Braid
NS-5809-25	Sn	.312	
NS-5809-11	Au	.342	Quad Braid
NS-5809-27	Sn	.342	



*DataGrade RG-59/U PVC

Catalog Number	Pin Plating	AØ	Braid Coverage
NS-5809-1	Au	.342	High % Single Braid
NS-5809-15	Sn	.342	
NS-5809-5	Au	.357	Quad Braid
NS-5809-19	Sn	.357	



*DataGrade RG-6/U PVC

Catalog Number	Pin Plating	AØ	
NS-7205-25	Au	.460	
NS-7205-23	Sn	.460	
NS-7205-31	Au	.480	
NS-7205-37	Sn	.480	



*DataGrade RG-11/U PVC

- * . Pin diameter of .032 optimized for data applications such as IEEE 802.4 and 802.7, MAP or Carrier Band
- Suitable for use where "FD" P550 type connectors are recommended Gold plated pin available to assure the highest data integrity
- .
- .
- Tin plated pin available for compatibility with tin sockets Bright alloy finish on body resists corrosive atmospheres found in many factories and is fully compatible with tin or nickel connectors .
- Contoured end of pin eliminates the socket damage during mating associated with inserting cut end of cable center conductor into female port Use crimp tool G-CRT-188
- . See appendix - hole cutout sizes for cable trim dimensions Request installation sheet G-1400-178 for use with General . Instrument 5750 cable



Catalog Number	Cable Type	Braid Coverage	
GF-UE-59	Series 59	60% to Tri-Shield	
GF-UE-59Q	Series 59	Quad	
GF-UE-6	Series 6	60% to Tri-Shield	
GF-UE-6Q	Series 6	Quad	

UltraEase Series 59/6 Compression Connector

Note: For outdoor use

UltraSeal[®] Compression "F" Series 7 & 11



Catalog Number	Cable Size	Braid Coverage	
GAF-UST-7	RG-7	60% to Tri-Shield	
GAF-UST-7Q	RG-7	Quad Shield	
GAF-UST-11	RG-11	60% to Tri-Shield	
GAF-UST-11Q	RG-11	Quad Shield	

UltraSeal Series 7/11 Compression Connector Note: For outdoor use

UltraSeal[®] Compression BNC for Headend Cable



UltraSeal BNC for Headend Cable Compression Connector Catalog NumberCable SizeGA-BNC-US-59-HEC59 HEC

Catalog Number	Cable Size	Braid Coverage	
GF-360-59	RG-59	60% to Tri-Shield	
GF-360-59Q	RG-59	Quad Shield	
GF-360-6	RG-6	60% to Tri-Shield	
GF-360-6Q	RG-6	Quad Shield	

Catalog Number Cable Size Braid Coverage

RG-11

RG-7 60% to Tri-Shield

RG-7 Quad Shield

RG-11 60% to Tri-Shield

Quad Shield

GAF-360-7

GAF-360-7Q

GAF-360-11

GAF-360-11Q



360 Series 59/6 Crimp Connector

360 "F" Series 7 & 11

Crimp Ring For Center Conductor Seizure	Free Spinning Sealed Nut
	mp Rings For ble Jacket Seizure

360 Series 7/11 Crimp Connector



USA "F" Series



Catalog Number	Cable Size	Braid Coverage	
GF-59-AHS/USA	RG-59	60% to Quad	_
GF-6-AHS/USA	RG-6	60% to Quad	
GFWL-59-AHS/USA	RG-59	60% to Quad	
GFWL-6-AHS/USA	RG-6	60% to Quad	

Universal Series 59/6 Crimp Connector & Weathergrade Universal Series 59/6 Crimp Connector



Catalog Number	Cable Size	Braid Coverage	
GF-59-RA-AHS/USA	RG-59	60% to Quad	
GF-6-RA-AHS/USA	RG-6	60% to Quad	

Right Angle Universal Series 59/6 Crimp Connector

Plenum "F" Series



DataGrade RG-6/U FD





DataGrade RG-11/U Plenum & Standard RG-11/U Plenum



Standard Series 59/6 Plenum

Catalog Number	Pin Plating	Braid Coverage	A Hex
NS-5351-7	Sn		1/2
NS-5351-9	Au		1/2
NS-5351-1	BA	68%	7/16
NS-5351-3	BA	96%	7/16

Catalog Number

NS-6044-1

AØ

.19

Pin Plating

Au

Catalog Number	AØ	Hex Crimp Across Flats	Cable
NS-5197-1	.15	.262	RG-59
NS-5197-9	.135	.262	
NS-5197-13	.16	.324	
NS-5197-15	.19	.324	RG-6
NS-5197-17	.19	.324	RG-6
NS-5197-19	.21	.384	

Mini/Semi-Rigid "F" Series



Catalog Number	Hex Crimp Across Flats
GF-MI	.187

Mini-Coax **Crimp Connector**



ACCEPTS AØ DIELECTRIC

Conformable Coax Solder Connector





Catalog Number Accepts AØ o/c NS-5427-5 .085

Semi-Rigid Coax Solder Connector

RG-179 "F" Series



Female Conformable Coax Solder Connector



RG-179B/U Coax Connector & RG-179B/U Double Braided Coax Connector

Catalog Number	Accepts AØ Max c/c	BØ	C	Accepts DØ Max Dielectric	E
GF-1097-1	.025	.023	.42	.066	.5
GF-1097-5	.025	.023	.42	.100	.5
GF-1097-7	.025	.023	.42	.066	.250
GF-1097-13	.025	.032	.5	.066	.5
GF-1097-15*	.025	.032	.5	.066	.5
GF-1097-17	.025	.025	.5	.066	.5
GF-1097-19	.013	.023	.42	.066	.5
NS-3766-1	.013	.023	.42	.066	.5
NS-6799-9	.025	.023	.42	.066	.5
*Au Plated Pin					

Catalog Number Accepts AØ

NS-6792-11

o/c

.087

Catalog Number GF-1220-1	<mark>AØ</mark> .066	Thd Flats None	
NS-6792-3	.100	SD	ACCEPTS .0250 c/c .0230 .0230 .0230 .0230 .0230 .0230 .0230 .0230 .0230 .0200 .0270 .0200 .0270 .0200 .0270 .0200 .02700 .0270 .0270 .0270 .0270 .0270 .0270 .0270 .0270

RG-179B/U Female Coax Connector

Coax



RG-179B/U Long Thread Female Coax Connector



RG-179B/U Double Braided Female Coax Connector



RG-179B/U ½" Thread Double Braided Female Coax Connector



RG-179B/U GSK Female Coax Connector

Catalog Number	Interface	Insulator	1.45 $.20$ $MIN.$ 44 44 40 30 370 370 30 300 120 300
NS-6623-3	GSK Female	PTFE	
NS-6623-7	F Female	PTFE	
NS-6623-1	F Female	PP	
			$\begin{array}{c} 7/16 \\ HEX. \\$

RG-179B/U Direct c/c Solder Coax Connector

1 .37Ø	
.37Ø	
<u>+</u>	
	1

Catalog Number

GF-1096-1





GSK and Fiber Optic

Unless noted, body and pin material is brass, contact is BeCu, insulator is PTFE, plating on components is BA.



Catalog Number GSK-59-MP

Catalog Number

NS-3301-1

Minimum Penetration Panel Mount GSK Male



Panel Mount GSK Male



Catalog Number GSK-59-M

Smooth Barrel Panel Mount GSK Male


GSK Male to F Female



Extended GSK Male to F Female



Extended GSK Male to BNC Female

Catalog Number GF-1121-1

Catalog Number NS-2080-1

Note: Use GF-1245-1 nut for float mounting

Catalog Number

NS-2080-3

GSK - Panel Mount



Catalog Number NS-2080-5

Extended GSK Male to 75 Ω TNC Female



Catalog Number GSK-59-F

GSK Female Panel Mount



Catalog Number	AØ	
NS-3520-1	.25	
NS-3520-3	.29	

Short Tab GSK Female Panel Mount

GSK Panel/PCB Mount

Catalog Number GF-1121-1



GSK Female to F Female





Right Angle Long GSK Female to PCB

Catalog Number GF-1121-3

Catalog Number GSK-61-APC/90L



Catalog Number GSK-61-APC/90

Right Angle GSK Female PCB



Catalog Number GSK-61-APC-90S

Compact Right Angle GSK Female to PCB



Catalog Number	Α	В	
NS-10897-1	.435	.308	
NS-10897-3	.985	.860	

Long GSK PCB Shell



Fiber Optic Bundle Connector



Extended Body Fiber Optic Bundle Connector



Large Body Fiber Optic Bundle Connector





BNC Connectors and TNC Connectors

Unless noted, body and pin material is brass, contact is BeCu, insulator is PTFE, plating on components is BA.

Crimp Tool Style	Crimp Tool Part Number	Hex Size Body	Hex Size Pin
A	G-CRT-775	.384 .324	.100 .068
В	G-CRT-480	.475 NA	.108 NA
С	G-CRT-211	.475 NA	.100 NA
D	G-CRT-263	.263 NA	.068 NA
E	G-CRT-255	.255 NA	.068 NA
F	G-CRT-792	.213 NA	.058sq. NA



BNC INTERFACE

G-BNC-AHS TYPE

Catalog Number	c/c	Crimp Tool	Interface Impedance
G-BNC-6-AHS/312-L	.040	А	75
G-BNC-6-AHS/312-H	.028	А	75
G-BNC-6-AHS/322-L	.040	А	75
G-BNC-6-AHS/322-H	.028	А	75
G-BNC-6-AHS/342-L	.040	А	75
G-BNC-6-AHS/342-H	.028	А	75
G-BNC-6-AHS/357-L	.040	А	75
G-BNC-6-AHS/357-H	.028	А	75
G-BNC-6-AHP/312-L	.040	А	75
G-BNC-6-AHP/312-H	.028	А	75
G-BNC-6-AHP/330-L	.040	А	75
G-BNC-6-AHP/330-H	.028	А	75
G-BNC-8-AHS/460-H	.085	В	50
G-BNC-11-AHS/460-L	.064	С	75
G-BNC-11-AHS/460-H	.045	С	75
G-BNC-11-AHS/480-L	.064	с	75
G-BNC-11-AHS/480-H	.045	с	75
G-BNC-11-AHP/450	.064	С	75
G-BNC-58-AHS/250	.032	А	50
G-BNC-59-AHS/290-L	.032	А	75
G-BNC-59-AHS/290-H	.025	А	75
G-BNC-59-AHS/312-L	.032	А	75
G-BNC-59-AHS/312-H	.025	А	75
G-BNC-59-AHS/322-L	.032	А	75
G-BNC-59-AHS/322-H	.025	А	75
G-BNC-59-AHS/342-L	.032	А	75
G-BNC-59-AHS/342-H	.025	А	75
G-BNC-59-AHS/357-L	.032	А	75
G-BNC-59-AHS/357-H	.025	А	75
G-BNC-59-AHP/284-L	.032	А	75
G-BNC-59-AHP/284-H	.025	А	75
G-BNC-59-AHP/312-L	.032	А	75
G-BNC-59-AHP/312-H	.025	А	75
G-BNC-62-AHS/312	.025	А	75
G-BNC-142-AHS/223	.039	D	50
G-BNC-213-AHS/460	.089	В	50
G-BNC-214-AHS/480	.089	В	50
G-BNC-216-AHS/480	.089	В	50
G-BNC-223-AHS/290	.035	А	50

- Separate crimp-on pin
 Attached crimp ring
 Machined brass construction for reliable performance
 Bright Alloy plate on body
 Bright Acid Tin on pin
 Contact our Customer Care Team for availibility of Gold on pin
 Connectors also available in TNC style

Catalog Number	c/c	Crimp Tool	Interface Impedance
GA-BNC-6-AHS/312-L	.040	А	75
GA-BNC-6-AHS/312-H	.028	А	75
GA-BNC-6-AHS/322-L	.040	А	75
GA-BNC-6-AHS/322-H	.028	А	75
GA-BNC-6-AHS/342-L	.040	А	75
GA-BNC-6-AHS/342-H	.028	А	75
GA-BNC-6-AHS/357-L	.040	А	75
GA-BNC-6-AHS/357-H	.028	А	75
GA-BNC-6-AHP/312	.040	А	75
GA-BNC-6-AHP/330	.040	А	75
GA-BNC-59-AHS/290-L	.032	А	75
GA-BNC-59-AHS/290-H	.025	А	75
GA-BNC-59-AHS/312-L	.032	А	75
GA-BNC-59-AHS/312-H	.025	А	75
GA-BNC-59-AHS/322-L	.032	А	75
GA-BNC-59-AHS/322-H	.025	А	75
GA-BNC-59-AHS/342-L	.032	А	75
GA-BNC-59-AHS/342-H	.025	А	75
GA-BNC-59-AHS/357-L	.032	А	75
GA-BNC-59-AHS/357-H	.025	А	75
GA-BNC-59-AHP/284	.025	А	75
GA-BNC-59-AHP/312	.025	А	75
GA-BNC-62-AHP/312	.025	А	75
GA-BNC-US-59-HEC	.025	А	75



GA-BNC-AHS TYPE

- Integral pin-single crimp style connector
 Attached crimp ring
 Machined Brass construction for reliable performance

- Beryllium Copper captive contact
 Bright Alloy plate on body
 Bright Acid Tin on contact. Contact our Customer Care Team for availibility of Gold
 Connectors also available in TNC style



Catalog Number NS-4721-1

75 Ω BNC Panel Mount w/ Solder Cup



Catalog Number NS-4721-3

75 Ω BNC Panel Mount w/ Solder Post



Catalog Number NS-6965-1

75 Ω BNC PCB Mount



TNC Connectors



75 Ω Universal TNC Male



75 Ω TNC Male for Belden 9292

Catalog Number G-TNCW-6-AHS/USA-L

Catalog Number

NS-9710-7

Catalog Number

NS-7100-1

Corning Gilbert OEM Coaxial Products Tel: 800 528 5567 / 623 245 1050 • Fax: 800 344 6358 / 623 939 3538 43



Unless noted, body and pin material is brass, contact is BeCu, insulator is PTFE, plating on components is BA.



50 Ω N PCB Three Hole Mount



Catalog Number NS-6795-3

50 Ω N PCB Four Hole Mount



50 Ω Right Angle N PCB Mount Catalog Number NS-5335-5



75 Ω Bulkhead Mount N



20 22	cubic Mount	
	Female N	

		_	
Catalog Number	Cable	Ω	Crimp Tool
GN-214-AHS/480	RG-214/U	50	G-CRT-480
GN-8-213-AHS/460	RG-8/U, RG-213/U	50	G-CRT-480
GN-8-AHS/480-LD	RG-8/U FOAM	50	G-CRT-480
GN-216-AHS/480	RG-216/U	75	G-CRT-211
GN-11-AHS/460	RG-11/U Up to 60%	75	G-CRT-211
GN-11-AHS/480	RG-11/U Over 60%	75	G-CRT-211
GN-375-CX	.375 Cable Flex	75	G-CRT-211
NS-3008-9	RG-11/U	50	G-CRT-480
NS-3008-23	Belden 8214	50	G-CRT-480
NS-3008-29	Belden 9913	50	G-CRT-480



Catalog Number NS-7791-1

Catalog Number

NS-5470-1



Catalog Number	Cable	Ω	AØ
GN-58-B-AHS-250	RG-58/U	50	.250
GN-223-AHS-290	RG-223/U	50	.290
GN-59-AHS/290-L	Low density RG-59/U	75	.290
GN-59-AHS/290-H	High density RG-59/U	75	.290
GN-59-AHS/312-L	Low density RG-59/U	75	.312
GN-59-AHS/312-H	High density RG-59/U	75	.312
GN-59-AHP/284-L	Plenum RG-59/U	75	.284
GN-6-AHS/312-L	Low density RG-6/U	75	.312
GN-6-AHS/312-H	High density RG-6/U	75	.312
GN-6-AHS/342-L	Low density RG-6/U	75	.342
GN-6-AHS/342-H	High density RG-6/U	75	.342
GN-6-AHS/357-L	Low density RG-6/U	75	.357
GN-6-AHS/357-H	High density RG-6/U	75	.357
GN-6-AHP/312-L	Plenum RG-6/U	75	.312

Adapters

Unless noted, body and pin material is brass, contact is BeCu, insulator is PTFE, plating on components is BA.

Catalog Number	Body Material	Plating
GN-50-SP-J	Brass	Sn
GN-50-SP-J-AL	Aluminum	Chromate conversion



⁵⁰ Ω N Female - N Female Adapter

Catalog Number	Body Material	Plating
GN-50-SP-F	Aluminum	Chromate conversion



75 Ω N Female - N Female Adapter

Catalog Number	Ω	Body Material	Plating
GN-SP-M	75	Aluminum	Chromate conversion
0383-001-3	50	Stainless Steel	Nickel



N Male - N Male Adapter

Adapters



Catalog Number GF-71-M

F Male - F Male Adapter



Right Angle F Male - F Female Adapter



Straight F Male - F Female Adapter

Catalog Number	AØ	B Hex	Contact Plating	
GF-MF/90	.025	7/16	Sn	_
NS-3323-7	.032	1/2	Sn	_
NS-3323-5	.032	1/2	Au	

Catalog Number NS-6020-1



Panel Mount F Male - Solder Post



BNC Male - F Female Adapter



BNC Female - F Male Adapter



Catalog Number GF-59-CH-A

Catalog Number G-BNCF-FM

Adapters



Catalog Number NS-5210-13

75 Ω N Female - BNC Female Adapter



N Female - F Female Adapter



Catalog Number	NΩ
GTC-N-F	75

NΩ

75

50

Catalog Number

GN-59-F

NS-3299-1

Precision Lab Grade N Female - F Female Adapter



N Male - F Female Adapter



Precision Lab Grade N Male - F Female Adapter



N Male - F Male Adapter

Catalog Number GTC-BAFF-N

Catalog Number

GN-59-AFM



 Catalog Number
 N Ω

 NS-5504-1
 50

 NS-5504-3
 75

N Female - F Male Adapter



F Female - KS Port Adapter



F Female - KS Port Adapter

Catalog Number	NΩ	Contact plating
GN-625-CH-F-T	75	Sn
NS-6870-9	75	Au
NS-6870-7	50	Sn



N Female - F Male Adapter









Catalog Number

NS-6459-3

Precision Lab Grade N Female - Quick Disconnect KS Port Adapter

Adapters



Precision Lab Grade BNC Female - KS Port Adapter



Catalog Number NS-6840-5

Precision Lab Grade N Male - Disconnect KS Port Adapter

Special Connectors

Unless noted, body and pin material is brass, contact is BeCu, insulator is PTFE, plating on components is BA.

Special Connectors



Catalog Number G-KS-PI

1/2" Power insertion adapter



Catalog Number G-KS-PI-S

5/8" Power insertion adapter



Catalog Number NS-3222-1

AC Power block

Catalog Number

NS-9167-1



High Current Amplifier/Fiber Node Male

Catalog Number NS-9168-1



High Current Amplifier/Fiber Node Female



Catalog Number GTR-59-A

Standard 75 Ω , ¼ Watt Terminator



KS Port Terminator



Catalog Number GTC-N-TRM

Precision Lab Grade 50 Ω N Terminator

Terminators





Precision Lab Grade 75Ω ¼ Watt Terminator



BNC terminator



Precision Lab Grade 50 Ω N Terminator

Catalog Number GN-TR-J 3/8 HEX._

DataGrade Terminators



Catalog Number	Chain	Contact Plating	Hex Size
NS-5791-13	w/o	Sn	7/16
NS-5791-3	w	Sn	7/16
NS-5791-9	w/o	Au	7/16
NS-5791-7	w	Au	1/2

DataGrade Terminator



Stainless Steel Round Insert Bushing



Stainless Steel Hex Insert Bushing

NOTE: Corning Gilbert has also produced many custom-designed insert bushings for unique customer applications. Contact our Customer Care Team for design assistance with special requirements.



Catalog Number G-625-KS

Hardware Plugs





Catalog Number NS-3582-5

5/8 Port Plug



Catalog Number NS-2828-3

5/8 Port Plug w/ Retaining Strap Nub

Hardware Caps & Nuts



3/8 Port Cap w/ Chain



3/8-32 Thd. ½ Hex Nut



3/8-32 Thd. 7/16 Hex Nut

Catalog Number

G-375

Catalog Number G-375-SPECIAL



½-28 Thd. Hex Nut



Catalog Number GF-1245-1

Panel Nut for Float Mounting



Catalog Number	Material	Finish
GA-1003-3	Copper	None
GA-1003-5	Aluminum	None

3/8 Washer

Hardware Washers & Insulator Bushing

Catalog Number	AØ	BØ	
GF-1057-7	1/2	3/8	
GA-1003-5	5/8	1/2	



Steel Lock Washer with Nickel Plate



Cable Assembly Pin Protector

Catalog Number NS-2092-1

Cable Assemblies



.085 Semi-Rigid Solder F



N Male VSAT



Headend BNC



Amplifier Housing Jumper



RG-179 F Crimp



UltraEase[™] 59 & 6 Jumper

Objectives

Corning Gilbert has available a broad selection of cable assemblies to meet your OEM requirements. Corning Gilbert is able to design and fabricate cable assemblies to our customer's individual electrical and mechanical applications.

- Cable assemblies are 100% RF tested to assure the highest reliablilty.
- High-speed automated cutting and stripping equipment provides consistency and reduced cost.
- Custom packaging including ESD bags can be provided.
- Some of the types we offer include:
 - RG-59/U RG-179B/U RG-6/U RG-11/U
 50 & 75 Ω Small diameter semi-rigid and Conformable

Standard applications:

Earth station, TVRO, SET top converter to T.V., Printed circuit board, VSAT, Carrier Band, Process Control Networking.

For special applications, Corning Gilbert can design and fabricate the entire project to your electrical and mechanical specifications, or provide finished product from Corning Gilbert prints.

Contact factory to discuss your company's special requirements.
Tools



Mounting Tool for F Connector 98028805



Cable Grip 98028785



G-CPT-6590

Catalog Number	Hex SIZES						
G-CRT-179	.134						
G-CRT-179P	MIL style 4 indent						
G-CRT-188	.054	.324	.384	-			
G-CRT-199	.054	.100	.384	.475			
G-CRT-211	.096	.475	-	-			
G-CRT-231	.100	.108	.262	.475			
G-CRT-255	.068	.255	-	-			
G-CRT-324	.324	-	-	-			
G-CRT-335	.096	.360	.475	-			
G-CRT-392	.054	.100	.360	.475			
G-CRT-41Q	.452	-	-	-			
G-CRT-480	.108	.474	-	-			
G-CRT-659	.262	.324	-	-			
G-CRT-660	.324	.384	-	-			
G-CRT-775	.064	.096	.324	.384			
G-CRT-792	.058 sq	.213	-	-			
G-CRT-804	.262	.324	.384	-			
G-CRT-860	.128	.192	-	-			
G-CRT-902	.100	.324	.475	-			
G-CRT-910	.360	.475	-	-			
G-CRT-910-AL	.360	.475	-	-			
G-CRT-950	.178	.213	-	-			
G-CRT-986	.324	.360	-	-			
G-CRT-USA	.360	-	-	-			

Crimp Tools



G-CRT-179



G-CRT-775



G-CRT-179P

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Unless otherwise noted, all body and solder post materials are machined brass, contact material is BeCu, dielectric material is polypropylene or polyethylene, and plating on all metal parts is bright acid tin.

Symbol and Abbreviation Guide

Au	Gold
BA	Bright Alloy
BeCu	Beryllium copper
BT	Bright Acid Tin
c/c	Center conductor
o/c	Outer conductor
Cad	Cadmium
D	Single D thread flat
DD	Double D thread flat
Ni	Nickel
NiSn	NITIN (Nickel / Tin)
Ω	Ohm
PCB	Printed circuit board
HDPE	Polyethylene
PP	Polypropylene
PTFE	Teflon
Thd	Thread
Ø	Diameter

Standard Tolerances

All dimensions are in inches, interpretation per ANSI Y14.5

.XX ± .010 .XXX ± .005 Fractions ± 1/64 Angular ± 5° Typical machine surface finish: 32 microinches

Common Materials and Finishes

Beryllium copper:	Per ASTM-B196
Cadmium:	Per QQ-P-416B
CRES	ASTM-582
Brass:	Per ASTM-B16
Bright Acid Tin Plate:	Per ASTM-B545
Bright Alloy:	Per ESFP-1 (Internal Specification)
ULTEM 100	Per ASTM D520
PTFE	Per ASTM D1710
Gold plate:	Per MIL-G-45204
Nickel:	Per QQ-N-290
NITIN:	Per ASTM B 605-95a
Bright Alloy:	Also named Albaloy, refers to a Copper/Tin/Zinc Alloy in approximately a 60/25/15 ratio. This deposit is a bright silver/white in
	appearance and provides high tarnish resistance, hardness and abrasion resistance, good solderability and electrical conductivity.

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Corning Gilbert Incorporated Terms and Conditions of Sale

The terms and conditions of sale contained herein (the "Agreement") shall apply to all quotations and offers to sell and purchase orders accepted by Corning Gilbert Inc. ("Corning"). Corning's acceptance of any offer to purchase made by or purchase order issued by buyer is expressly made conditional on the terms and conditions of sale as set forth in this Agreement irrespective of whether the buyer accepts them in writing, by implication or by acceptance of and payment for the goods sold hereunder. These terms and conditions of sale shall govern the contractual arrangement entered into between Corning and buyer with respect to the goods sold hereunder to the exclusion of any terms or conditions of purchase proposed by buyer.

- 1. Quotations and Prices. Unless otherwise specified in writing, all quotations are firm for, and expire, sixty (60) days after the date thereof and constitute offers, provided that budgetary quotations and estimates are for preliminary information only and shall neither constitute offers, nor impose any responsibility or liability upon Corning. Unless otherwise stated in writing by Corning, all prices quoted shall be exclusive of transportation, insurance, taxes, customs fees, duties and other charges related thereto, and buyer shall report and pay any and all such charges and hold Corning harmless therefrom. Prices quoted relate only to the goods referenced in this Agreement and do not include intellectual property, or patent rights of any kind, nor shall they include product testing other than Corning's standard tests. Minimum order quantities are \$1000.00 unless otherwise specified on written quotation.
- 2. Delivery, Title and Risk of Loss. Unless otherwise indicated on the face of this order acknowledgement, the delivery term for the goods referenced in this Agreement is FOB (Corning's facility). If the goods referenced in this Agreement are being delivered outside the United States (or its possessions), the applicable delivery term for the goods is DAF (foreign border point of entry) (Incoterms 2000). Title to the goods referenced in this Agreement and risk of loss or damage to the goods shall pass to buyer at the time Corning completes its delivery obligations. Goods held by Corning at buyer's request beyond the scheduled delivery date shall be at buyer's risk and expense. Freight and associated duties incurred by Corning in shipping the goods, if agreed to by Corning, shall be invoiced to buyer. Buyer shall be responsible for expenses incurred by Corning where, at buyer's request, Corning packs product in other than its normal manner.
- 3. Termination or Change. Buyer shall not terminate, suspend performance, reschedule or cancel delivery or issue a "hold" order under this Agreement in whole or in part, without Corning's prior written consent and upon terms that will compensate Corning for any loss or damage resulting from such action. Buyer's liability shall include, but not be limited to, the price of product delivered or held for disposition, the price of services already performed, and for work in process, incurred costs and a reasonable allocation of general and administrative expenses, plus Corning's loss of profits thereon. Any such termination shall be subject to a minimum termination charge of twenty-five percent (25%) of the value of the sales terminated. If delivery of the goods referenced in this Agreement is delayed by buyer, Corning may invoice buyer when Corning is prepared to ship. Corning may invoice Buyer immediately upon termination or cancellation or suspension of any order.
- 4. Payment Terms. Unless otherwise indicated on the face of this order acknowledgement, Buyer shall pay the invoiced amount within thirty (30) days from the date of Corning's invoice. Corning may exercise an option to assess an interest charge of up to 2.5% p.a. above the current prime rate quoted by the Citibank, N.A. in New York City, New York (but not to exceed the maximum lawful rate). Buyer hereby grants to Corning a purchase money security interest in the goods delivered by Corning to secure the purchase price of such until Corning is paid in full. Unless otherwise agreed, prices shall be quoted and invoices shall be rendered and paid in US currency.
- 5. Taxes. Any tax or related charge that Corning shall be required to pay to or collect for any government in connection with this Agreement, including, without limitation VAT, sales tax or use tax (though excluding tax incurred based on the net income of Corning) shall be billed to buyer as a separate item and paid by buyer, unless a valid exemption certificate is furnished by buyer to Corning.
- 6. Limited Product Warranty. Corning warrants to buyer that the goods referenced in this agreement and delivered to buyer will conform to the relevant technical specifications previously delivered by Corning or, if not previously delivered, then delivered herewith. The foregoing warranty shall be valid for a period of ninety (90) days from the date of delivery. In the event that any goods delivered by Corning's on meet the foregoing warranty, such shall be deemed defective and Corning will give an appropriate credit for the defective good(s) to buyer or, at Corning's expense and option, repair or replace the defective good(s). Either of these alternatives shall be buyer's sole and exclusive remedy in the event of delivery of defective good(s). The foregoing warranty is Corning's sole warranty with respect to any goods delivered to buyer hereunder and is conditioned on (i) all claims regarding any defective goods must be made in writing to Corning within ninety (90) days after delivery of the relevant goods, and (ii) the defective goods shall not have been damaged or destroyed by buyer or its personnel. This warranty applies only to buyer and may not be assigned or extended by buyer to any of its customers or other users of the goods. This warranty does not extend to any system into which the goods are incorporated. Corning shall be allowed a reasonable period to investigate any claim relating to defective goods and shall be given access to buyer's relevant records and data for this purpose. The above warranty does not apply to, and Corning makes no warranties with respect to products that experimental products or prototypes (all of which are provided "AS IS").
- 7. Limitation of Liability. Buyer's sole and exclusive remedy and Corning's sole and exclusive liability to buyer for delivery of defective goods, whether brought under a claim alleging breach of contract, tort injuries, negligence theory, strict liability, class action, or any other legal theory, shall be limited exclusively to crediting buyer in the amount of the purchase price paid for the defective good(s) or repairing or replacing the defective good(s), at Corning's option. In no event will Corning be liable to buyer or any other party, under any circumstances for any special, consequential or indirect damages such as loss of capital, loss of use, substitute performance, loss of production, loss of profits, ever if such damages are reasonably foreseeable. The warranty and remedies provided in Sections 6 and 7 of this Agreement shall apply to the exclusion of any other applicable law. No statement made by any Corning employee or other representative or any other course of dealing should be interpreted as expanding the scope of the warranty provided herein.
- 8. Intellectual Property Indemnity. With respect to intellectual property and industrial property matters, Corning's sole and exclusive liability is to indemnify buyer only against valid claims based upon infringement of validly issued US, patents and then only with respect to goods comprising Corning's regularly established line of products. This indem nification does not apply to patents covering composite structures or systems into which the goods referenced in this Agreement may be incorporated by buyer. Corning's sole obligation under this indemnification shall be the assumption of the defense of any such suit brought against buyer. Corning shall be given exclusive control of the defense of such claim, including settlement, and buyer, at its own cost, shall assist Corning in the conduct of such defense. Corning's total liability hereunder shall be limited to its out of-pocket costs up to, but not exceeding, the amount paid by buyer as the purchase price attributable to the goods that are the subject of the claim or claims. Buyer assumes and will hold Corning harmless against any patent liability for products manufactured to buyer's design or specifications or specially designed by Corning to meet buyer's require ments. Buyer grants to Corning a royalty-free right to use, for the purpose of making the goods and selling them to buyer, any intellectual property or industrial property right that buyer owns or to which buyer has licensing, sublicensing or "have made" rights.
- 9. Export Control. Buyer certifies that it will not export or re-export the goods furnished under this agreement unless it complies fully with all regulations of the United States relating to such export or re-export.
- 10. Excuse of Performance. Except with respect to Buyer's obligation to make timely payments when due, neither party shall be held responsible for any delay or failure in per formance of any part of this Agreement to the extent such delay or failure is caused by fire, flood, explosion, war strike, embargo, government requirement, civil or military authority, act of God, nature or the public enemy, inability to secure material or transportation facilities, inadequate yield of products despite Corning's reasonable efforts, act or omission of carriers or any other causes beyond its reasonable control.
- 11. Choice of Law. This Agreement and the performance of the parties obligations hereunder shall be governed by the laws of the State of Arizona without regard to its conflicts of laws principles that would have a contrary result.
- 12. Entire Agreement. Except for any written agreement between the parties relating to confidentiality of proprietary information, the terms and conditions contained in the Agreement supersede all prior oral or written understandings between buyer and Corning and shall constitute the entire Agreement with respect to the subject matter of this Agreement. This Agreement shall not be modified or amended except by a writing signed by a duly authorized officer of buyer and Corning.

Application For Credit

(1) " Sold To" Company Name (Legal Entity)	(2) "Ship To" Company Name Complete Address	(3) "Remit From" Company Name Complete Address (if different)
(4) Doing Business as or also known as name, if using a trade	style:	
(5) Division, Subsidiary, or Affiliate of	of:	
(6) Type of Business: 🛛 Corporati	on 🖵 Partnership	🖵 Individual
(7) Telephone:	Fax:	
(8) D&B/Trade Registry or Other Ref	erence Number:	(9) Year Established
(10) Initial Order Value \$	(11) Est. Annual Purchas	e Amount \$
(12) Principals (names & titles)		
	act:	
Phone	Fax	e-mail
(14) Please Attach Banking Informa Point of Contact/Address/Phon	tion and Three Current Trade References - e/Fax/e-mail	
(15) Audited Financial Statements - (if available).	Balance Sheet, Income Statement are req Will be mailed on:	
	ount, if any, is computed from the invoice aring in computing cash discount.	date. Receipt of goods, receipt of
	hat we fully understand your credit terms of f it becomes necessary to pursue legal remedies to co d.	
Printed Name and Title of Authorized Representative		Signature Date
(18) Please indicate if product shipp	ed will be taxable. 🔲 Taxable 🔲	Non-taxable (please match copy of
Corning Gilbert Inc. Corporate Credit Servic	es 5310 W. Camelback Road Glendale, AZ 8530	exemption certificate or direct pay permit.) D1 Tel: 623-845-5613 Fax: 623-934-5160

Contact Information

How To Reach Us

Corning Gilbert Inc. Corporate Headquarters

5310 W. Camelback Rd. Glendale, AZ 85301 U.S.A.

- phone: 800 528 5567 (U.S. and Canada) 623 245 1050 (International) fax: 800 344 6358 (U.S. and Canada) 623 939 3538 (International)
- website: www.corning.com/corninggilbert e-mail: info-gilbert@corning.com

From Sky Harbor Airport (Phoenix) to Corning Gilbert *

Follow signs to I-10 west. Continue on I-10 west approximately 9 miles, then exit 51st Avenue going north (right).

Take 51st Avenue north about 3.23 miles to West Camelback Road., turn west (left). On West Camelback Road, drive west approximately .25 miles to 53rd Avenue.

Corning Gilbert is on the (right) side of 53rd Avenue (5310 West Camelback Road). Location is marked as an orange star on the map to the right.



		Request Form			
Corning Gilbert Inc. 5310 W. Camelback Rd.					
Glendale, AZ 85301-7597					
	(Box Area for Internal Use C	nly)			
Tel: 800 528 5567 (U.S. and Canada)					
623 245 1050 (International)	Date:				
Fax: 800 344 6358 (U.S. and Canada)	Quote #:				
623 939 3538 (International)	Date Received:	Date Received:			
www.corning.com/corninggilbert info-	gilbert@corning.com				
Contact:					
Billing Address:					
	Tel:				
	Fax:				
	e-mail:				
Shipping Information					
Packing Code:	Req. Ship Date:				
P.O. #:	Ship To:				
Ship Via:					
Partial: (Y/N)					
Comments:	Part Number/Description	Quantity			
	1				
	2				
	3				
	4				
	5				
	6				
Corning Gilbert Inc. has made every effort to assure the accuracy of the information contained	7				
herein. We are, however, not responsible for any	8				
errors or omissions. In keeping with ongoing product improvement, we reserve the right to	9				
make product changes at any time without notice.	10				
We will be pleased to assist you in selection of the proper connector for your application. However, the final responsibility for assuring that the product selected is suitable for the application	TOTAL				
rests with the user.	MOQ-Minimum Order Quantity & MOV-Minimum (applicable. Quote valid 60 days Corning Gilbert star conditions apply. Ex Works, Phoenix, AZ. Net 30 day credit. In order to ensure accuracy, please reference return correspondence.	ndard terms and /s/upon approval of			

Shipment schedules reflect current stock/manufacturing levels and are subject to change.

Parts will be packaged in accordance with Corning Gilbert's standard packaging. Special packaging may be requested at additional charge.

CORNING

Discovering Beyond Imagination

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