

# Amphenol® GT Connectors

## with reverse bayonet coupling

### the preferred connector for mass transit

Designed originally for use by the military, the heavy duty GT connector has become widely used in commercial, geophysical, aerospace, ground support and shipboard applications. It is the preferred connector for mass transit.



Variety of Shell Styles are Available



**Wall Mount Receptacle**



**Inline Receptacle**



**Straight Plug**



**Plug With Rubber Covered Coupling Nut**



**Jam Nut Receptacle**

#### Amphenol® GT reverse bayonet coupling connectors with MIL-C-5015 insert patterns features:

- Quick positive coupling
- Audible, tactile and visual indication of full coupling
- Waterproof – IP67 rated
- No lockwiring required
- High shock and vibration capabilities
- Inserts available in Neoprene and Viton\* materials
- Low smoke/flame retardant inserts also available
- Operating temperature range:  
With Neoprene inserts:  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$   
With Viton\*\* inserts:  $-50^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$   
With low smoke/flame retardant inserts:  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Available in both crimp and solder terminations
- Contacts available in gold and silver plating
- Numerous military and commercial finishes available
- Zinc alloy plating (cadmium free) available
- Rugged construction; aluminum or stainless steel components
- Available with resilient cover coupling for added damage protection and increased gripping surface
- Intermateable with existing VG95234 connectors
- 2000 couplings minimum
- UL recognized
- Up to 50% more ampacity with the use of RADSOK® technology (see page 89)

Amphenol's special offerings of GT Series connectors (see end of catalog) include: GT Amphe-Power® Connectors with RADSOK® technology, the GTC-M Series with metal clip inserts and GT-PC Series for high voltage power applications. There is also information on other Amphenol Industrial Products for the Rail Industry at the end of this catalog.

For further information on your individual application requirements, contact:

Amphenol Corporation  
Amphenol Industrial Operations  
40-60 Delaware Avenue  
Sidney, New York 13838-1395  
Phone: 607-563-5011 Fax: 607-563-5351  
[www.amphenol-industrial.com](http://www.amphenol-industrial.com)

**NOTE:**

The connector products in this brochure were formerly known as Bendix® products. These products are now manufactured and sold under the Amphenol® brand name. The name "Amphenol" will replace the name "Bendix" on products and literature in the future.

# GT Series

## insert availability

Insert Arrangement	Service Rating	Total Contacts	Contact Size											
			0	4	8	12	16	Coax						
								0	4	8	12			
10SL-3	A	3					3							
10SL-4†	A	2					2							
14S-2	Inst.	4					4							
14S-4	D	1					1							
14S-5	Inst.	5					5							
14S-6	Inst.	6					6							
14S-7	A	3					3							
14S-9	A	2					2							
14S-10	Inst.	4					4							
14S-12	A	3					3							
14S-A7	A	7					7							
16S-1	A	7					7							
16S-3	B	1					1							
16S-4	D	2					2							
16S-5	A	3					3							
16S-6	A	3					3							
16S-8	A	5					5							
16-2	E	1				1								
16-7	A	3			1		2							
16-9	A	4				2	2							
16-10	A	3				3								
16-11	A	2				2								
16-12	A	1		1										
16-13	A	2				2								
16-59	A	4				4								
18-1	A/Inst.	10					10							
18-3	D	2				2								
18-4	D	4					4							
18-5	D	3				2	1							
18-6	D	1		1										
18-7	B	1			1									
18-8	A	8				1	7							
18-9	Inst.	7				2	5							
18-10	A	4				4								
18-11	A	5				5								
18-12	A	6					6							
18-13	A	4			1	3								
18-14	A	2		1			1							
18-15	A	4				4								
18-16	C	1				1								
18-17	Inst.	7				2	5							
18-19	A	10					10							
18-20	A	5					5							
18-22	D	3					3							
18-24	A/Inst.	10					10							
18-29	A	5					5							
18-30	A	5					5							
18-31	A	5					5							

\*Crimp contacts accommodate wire the same size as the contact as well as wire of the next smaller, even size. Arrangements identified with an asterisk (\*) are exceptions. See insert arrangement drawings on pages 6-28 for application wire size.

Insert Arrangement	Service Rating	Total Contacts	Contact Size											
			0	4	8	12	16	Coax						
								0	4	8	12			
20-2	D	1	1											
20-3	D	3				3								
20-4	D	4				4								
20-6	D	3					3							
20-7	D/A	8					8							
20-8	Inst.	6			2		4							
20-9	D/A	8				1	7							
20-11	Inst.	13					13							
20-12	A	2		1			1							
20-14	A	5			2	3								
20-15	A	7				7								
20-16	A	9				2	7							
20-17	A	6				5	1							
20-18	A	9				3	6							
20-19	A	3			3									
20-20	A	4		1		3								
20-21	A	9				1	8							
20-22	A	6			3		3							
20-23	A	2			2									
20-24	A	4			2		2							
20-25	Inst.	13					13							
20-26	A	19					19							
20-27	A	14					14							
20-29	A	17					17							
20-30	Inst.	13					13							
20-33	A	11					11							
20-51	A	3			3									
20-57	A	7				7*								
20-58	A	10				5	5							
20-59	A	3			3*									
20-66	A	6				5*	1							
20-79	A/D	8				1	7							
22-1	D	2			2									
22-2	D	3			3									
22-4	A	4			2	2								
22-5	D	6				2	4							
22-6	D	3			2		1							
22-7	E	1	1											
22-8	E	2				2								
22-9	E	3				3								
22-10	E	4					4							
22-11	B	2					2							
22-12	D	5			2		3							
22-13	D/A	5				4	1							
22-14	A	19					19							
22-15	E/A	6				5	1							

†10SL-4 arrangement available only with pin contacts in receptacle and socket contacts in plug

\*\*Coaxial cable data can be found on insert arrangement drawings, pages 6-28. For further information on coaxial contacts and cable see catalog 12-130.

# GT Series

## insert availability, cont.

Insert Arrangement	Service Rating	Total Contacts	Contact Size											
			0	4	8	12	16	Coax**						
								0	4	8	12			
22-16	A	9				3	6							
22-17	D/A	9				1	8							
22-18	D/A	8					8							
22-19	A	14					14							
22-20	A	9					9							
22-21	A	3	1				2							
22-22	A	4			4									
22-23	D/A	8				8								
22-24	D/A	6				2	4							
22-27	D/A	9			1		8							
22-28	A	7				7								
22-33	D/A	7					7							
22-34	D	5				3	2							
22-63	A	12				4	8							
22-65	D/A	8				8*								
22-70	A	13				8	5							
22-80	A	3			3*									
24-2	D	7				7								
24-3	D	7				2	5							
24-5	A	16					16							
24-6	D/A	8				8								
24-7	A	16				2	14							
24-9	A	2		2										
24-10	A	7			7									
24-11	A	9			3	6								
24-12	A	5		2		3								
24-16	D/A	7			1	3	3							
24-17	D	5				2	3							
24-19	A	12					12							
24-20	D	11				2	9							
24-21	D	10			1		9							
24-22	D	4			4									
24-27	E	7					7							
24-28	Inst.	24					24							
24-51	A	5			5									
24-52	Hi Volt.	1				1								
24-53	A	5			5									
24-58	A	13			3	3	7							
24-59	A	14				7	7							
24-60	A	7			7*									
24-65	A	15				11	4							
24-66	D	7				7								
24-67	Inst.	19				19								
24-71	A	7			7*									
24-75	A	7			7*									
24-79	A	5			5									
24-80	Inst.	23					23							

\*Crimp contacts accommodate wire the same size as the contact as well as wire of the next smaller, even size. Arrangements identified with an asterisk (\*) are exceptions. See insert arrangement drawings on pages 6-28 for application wire size.

Insert Arrangement	Service Rating	Total Contacts	Contact Size											
			0	4	8	12	16	Coax**						
								0	4	8	12			
24-84	A	19				1							18	
24-96	Inst.	28					28							
24-AJ	A	25					25							
28-1	D/A	9			3	6								
28-2	D	14				2	12							
28-3	E	3			3									
28-4	E/D	9				2	7							
28-5	D	5		2		1	2							
28-6	D	3		3										
28-7	D	2		2										
28-8	E/D/A	12				2	10							
28-9	D	12				6	6							
28-10	D/A	7		2	2	3								
28-11	A	22				4	18							
28-12	A	26					26							
28-13	A	26					26							
28-15	A	35					35							
28-16	A	20					20							
28-17	B/D/A	15					15							
28-18	C/D/A/Inst.	12					12							
28-19	B/D/A	10				4	6							
28-20	A	14				10	4							
28-21	A	37					37							
28-22	D	6		3			3							
28-51	A	12				12								
28-59	A	17				7	10							
28-66	A	16			2	14								
28-72	Coax	3									3			
28-74	A	16			7*		9							
28-75	A	16			7*		9							
28-79	A	16			7		9							
28-82	D	6			2	4								
28-84	A	9			9									
28-AY	A	9		4			5							
32-1	E/D	5	2			3								
32-2	E	5		3			2							
32-3	D	9	1	2		2	4							
32-4	A/D	14				2	12							
32-5	D	2	2											
32-6	A	23		2	3	2	16							
32-7	Inst./A	35				7	28							
32-8	A	30				6	24							
32-9	D	14		2			12							
32-10	E/B/D/A	7		2	2		3							
32-12	A/D	15				5	10							
32-13	D	23				5	18							
32-15	D	8	2			6								
32-16	A	23		2	3	2	16							

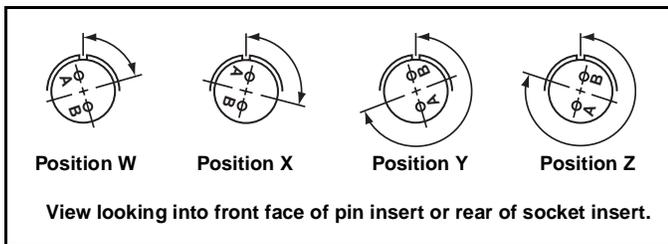
\*\*Coaxial cable data can be found on insert arrangement drawings, pages 6-28. For further information on coaxial contacts and cable see catalog 12-130.

# GT Series

## insert alternate positioning

To avoid cross-plugging problems in applications requiring the use of more than one connector of the same size and arrangement, alternate rotations are available as indicated in the accompanying charts.

As shown in the diagram below, the front face of the pin insert is rotated within the shell in a clockwise direction from the normal shell key. The socket insert would be rotated counter-clockwise the same number of degrees in respect to the normal shell key.



The following insert arrangements have the same alternate insert rotations for W, X, Y and Z, which are:

Degrees			
W	X	Y	Z
80	110	250	280

T						
16-7	20-16	22-18	24-4	24-28	28-16	32-10
18-5	20-20	22-19	24-5	24-AJ	28-17	32-12
18-9	20-22	22-21	24-6	28-1	28-19	32-13
18-13	22-3	22-24	24-7	28-4	28-20	32-22
18-14	22-6	22-25	24-12	28-8	28-21	32-AF
20-7	22-12	22-29	24-14	28-9	32-1	36-1
20-8	22-14	22-33	24-16	28-10	32-3	36-7
20-9	22-15	22-34	24-17	28-11	32-4	36-8
20-12	22-16	24-1	24-20	28-14	32-6	36-13
20-14	22-17	24-3	24-21	28-15	32-9	40-53

Insert Arrangement	Degrees			
	W	X	Y	Z
10SL-4	63	-	-	-
14S-2	-	120	240	-
14S-5	-	110	-	-
14S-7	90	180	270	-
14S-9	70	145	215	290
16-9	35	110	250	325
16-10	90	180	270	-
16-11	35	110	250	325
16-13	35	110	250	325
16S-1	80	-	-	280
16S-4	35	110	250	325
16S-5	70	145	215	290
16S-6	90	180	270	-
16S-8	-	170	265	-
18-1	70	145	215	290
18-3	35	110	250	325
18-4	35	110	250	325
18-8	70	-	-	290
18-10	-	120	240	-
18-11	-	170	265	-
18-12	80	-	-	280
18-15	-	120	240	-
18-20	90	180	270	-
18-22	70	145	215	290
18-29	90	180	270	-
20-3	70	145	215	290
20-4	45	110	250	-
20-5	35	110	250	325
20-6	70	145	215	290
20-15	80	-	-	280
20-17	90	180	270	-
20-18	35	110	250	325

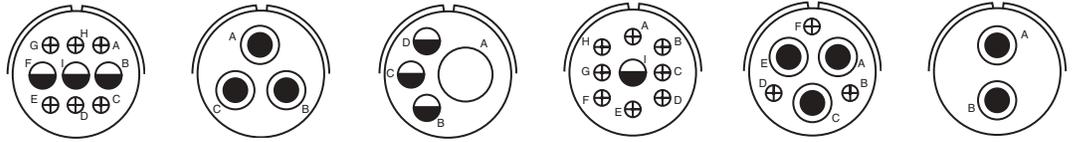
Insert Arrangement	Degrees			
	W	X	Y	Z
20-19	90	180	270	-
20-21	35	110	250	325
20-23	35	110	250	325
20-24	35	110	250	325
20-27	35	110	250	325
20-29	80	-	-	280
20-33	-	-	-	280
22-1	35	110	250	325
22-2	70	145	215	290
22-4	35	110	250	325
22-5	35	110	250	325
22-8	35	110	250	325
22-9	70	145	215	290
22-10	35	110	250	325
22-11	35	110	250	325
22-13	35	110	250	325
22-20	35	110	250	325
22-22	-	110	250	-
22-23	35	-	250	-
22-27	80	-	250	280
22-28	80	-	-	280
24-2	80	-	-	280
24-9	35	110	250	325
24-10	80	-	-	280
24-11	35	110	250	325
24-22	45	110	250	-
24-27	80	-	-	280
24-96	65	-	-	-
28-2	35	110	250	325
28-3	70	145	215	290
28-5	35	110	250	325
28-6	70	145	215	290

Insert Arrangement	Degrees			
	W	X	Y	Z
28-7	35	110	250	325
28-12	90	180	270	-
28-18	70	145	215	290
28-22	70	145	215	290
28-AY	45	110	250	-
32-2	70	145	215	290
32-5	35	110	250	325
32-7	80	125	235	280
32-8	80	125	235	280
32-15	35	110	250	280
32-17	45	110	250	-
32-25	60	120	-	-
32-64*	80	100	110	250
32-68	30	-	-	-
32-82	30	-	-	-
36-3	70	145	215	290
36-4	70	145	215	290
36-5	-	120	240	-
36-6	35	110	250	325
36-9	80	125	235	280
36-10	80	125	235	280
36-14	90	180	270	-
36-15	60	125	245	305
36-AF	65	-	-	-
40-1	65	130	235	300
40-5	33	-	-	270
40-9	65	125	225	310
40-10	65	125	225	310
40-35	70	130	230	290
40-56	72	144	216	288
40-AG	37	74	285	322

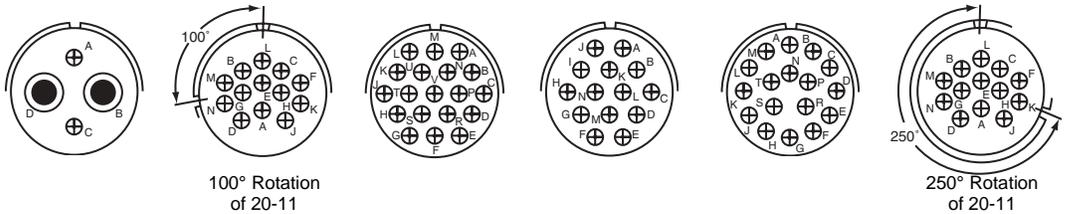
\*Additional rotations available; consult Amphenol for information.

# GT Series contact arrangements

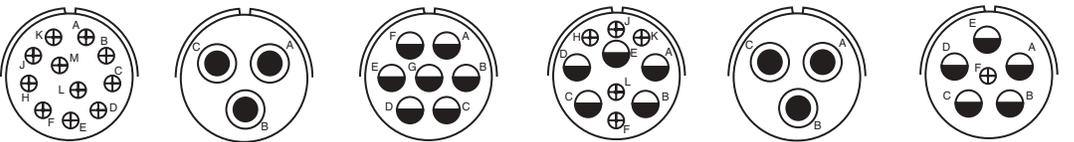
front face of pin insert or rear face of socket insert illustrated



<b>Insert Arrangement</b>	<b>20-18</b>	<b>20-19</b>	<b>20-20</b>	<b>20-21</b>	<b>20-22</b>	<b>20-23</b>
<b>Service Rating</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>
<b>Number of Contacts</b>	<b>3 6</b>	<b>3</b>	<b>1 3</b>	<b>1 8</b>	<b>3 3</b>	<b>2</b>
<b>Contact Size</b>	<b>12 16</b>	<b>8</b>	<b>4 12</b>	<b>12 16</b>	<b>8 16</b>	<b>8</b>

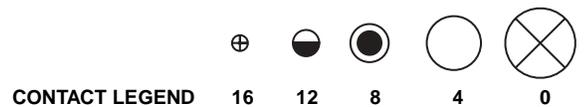


<b>Insert Arrangement</b>	<b>20-24</b>	<b>20-25</b>	<b>20-26</b>	<b>20-27</b>	<b>20-29</b>	<b>20-30</b>
<b>Service Rating</b>	<b>A</b>	<b>Inst.</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>Inst.</b>
<b>Number of Contacts</b>	<b>2 2</b>	<b>13</b>	<b>19</b>	<b>14</b>	<b>17</b>	<b>13</b>
<b>Contact Size</b>	<b>8 16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>



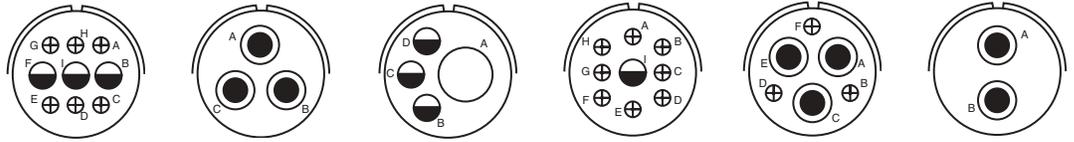
<b>Insert Arrangement</b>	<b>20-33</b>	<b>20-51</b>	<b>20-57</b>	<b>20-58</b>	<b>20-59</b>	<b>20-66</b>
<b>Service Rating</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>
<b>Number of Contacts</b>	<b>11</b>	<b>3*</b>	<b>7*</b>	<b>5 5</b>	<b>3*</b>	<b>1 5</b>
<b>Contact Size</b>	<b>16</b>	<b>8</b>	<b>12 for #14 or 16 wire</b>	<b>12 16</b>	<b>8 for #10 or 12 wire</b>	<b>16 12 for #10 wire</b>

\* Solderless

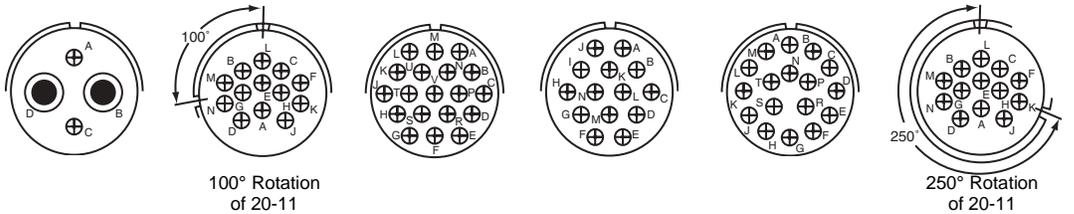


# GT Series contact arrangements

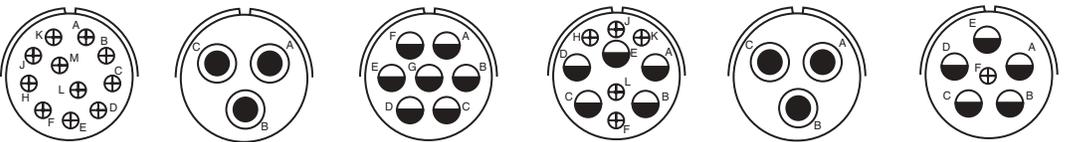
front face of pin insert or rear face of socket insert illustrated



<b>Insert Arrangement</b>	<b>20-18</b>	<b>20-19</b>	<b>20-20</b>	<b>20-21</b>	<b>20-22</b>	<b>20-23</b>
<b>Service Rating</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>
<b>Number of Contacts</b>	<b>3 6</b>	<b>3</b>	<b>1 3</b>	<b>1 8</b>	<b>3 3</b>	<b>2</b>
<b>Contact Size</b>	<b>12 16</b>	<b>8</b>	<b>4 12</b>	<b>12 16</b>	<b>8 16</b>	<b>8</b>

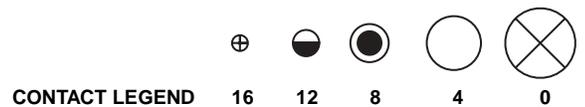


<b>Insert Arrangement</b>	<b>20-24</b>	<b>20-25</b>	<b>20-26</b>	<b>20-27</b>	<b>20-29</b>	<b>20-30</b>
<b>Service Rating</b>	<b>A</b>	<b>Inst.</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>Inst.</b>
<b>Number of Contacts</b>	<b>2 2</b>	<b>13</b>	<b>19</b>	<b>14</b>	<b>17</b>	<b>13</b>
<b>Contact Size</b>	<b>8 16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>



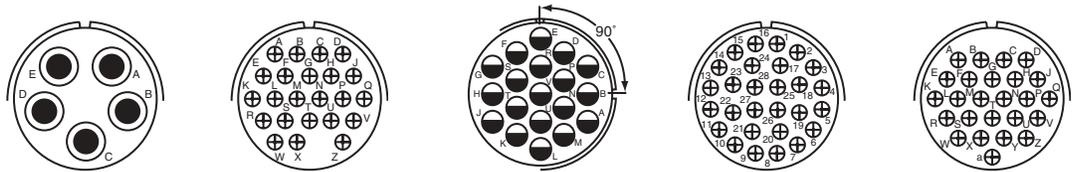
<b>Insert Arrangement</b>	<b>20-33</b>	<b>20-51</b>	<b>20-57</b>	<b>20-58</b>	<b>20-59</b>	<b>20-66</b>
<b>Service Rating</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>
<b>Number of Contacts</b>	<b>11</b>	<b>3*</b>	<b>7*</b>	<b>5 5</b>	<b>3*</b>	<b>1 5</b>
<b>Contact Size</b>	<b>16</b>	<b>8</b>	<b>12 for #14 or 16 wire</b>	<b>12 16</b>	<b>8 for #10 or 12 wire</b>	<b>16 12 for #10 wire</b>

\* Solderless

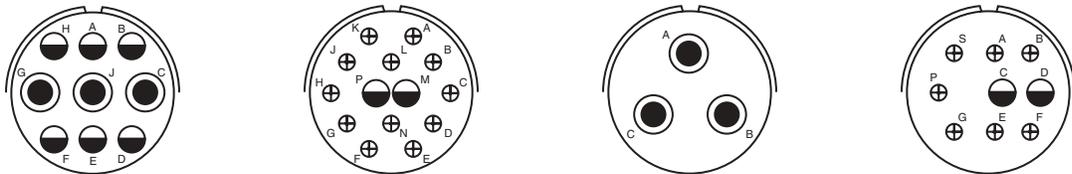


# GT Series contact arrangements

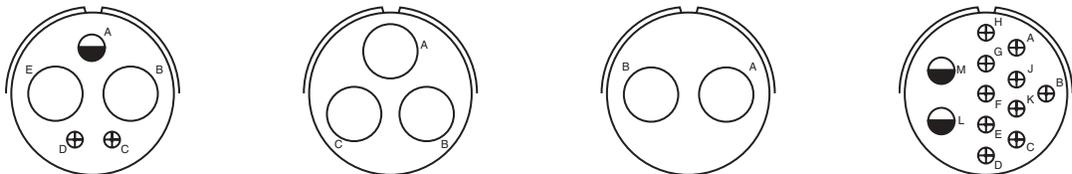
front face of pin insert or rear face of socket insert illustrated



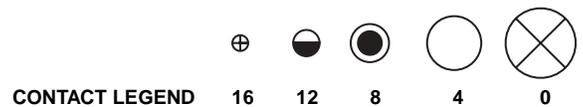
Insert Arrangement	24-79	24-80	24-84	24-96	24-AJ
Service Rating	A	Inst.	A	Inst.	A
Number of Contacts	5	23	1 18	28	25
Contact Size	8	16	12 12 (Coax) RG-188/U or RG-174/U	16	16



Insert Arrangement	28-1	28-2	28-3	28-4
Service Rating	A, J, E = D; Bal. = A	D	E	G, P, S = E; Bal. = D
Number of Contacts	3 6	2 12	3	2 7
Contact Size	8 12	12 16	8	12 16



Insert Arrangement	28-5	28-6	28-7	28-8
Service Rating	D	D	D	L, M = E; B = D; Bal. = A
Number of Contacts	2 1 2	3	2	2 10
Contact Size	4 12 16	4	4	12 16



# GT02R/02RFS

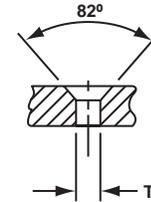
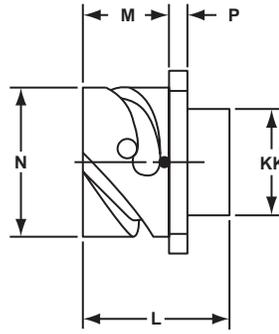
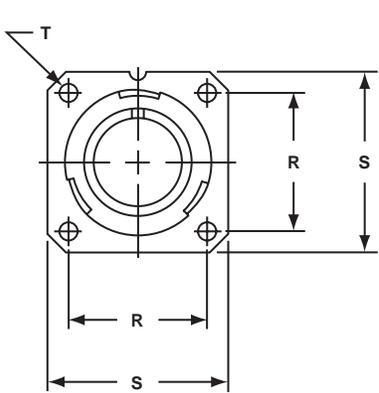
## box mount receptacle for front panel mounting

### GT02R

- Environment proof when mounted with proper panel sealing gasket (see page 79)
- For rear mounting information see page 85

### GT02RFS

- Same as GT02R except mounting holes are countersunk to allow mating of plugs with rubber covered coupling nuts



GT02RFS  
Countersunk holes required  
when mating with GT06CFGG,  
page 55 and GT08CFGG,  
page 73

Inches

Shell Size	L ± .012	M + .016 - .000	N + .000 - .006	P ± .008	R ± .004	S ± .012	T + .004 - .000	KK Max.
10SL	1.087	.717	.717	.110	.717	1.000	.126	.626
14S	1.087	.717	.969	.126	.906	1.181	.126	.756
16S	1.087	.717	1.079	.126	.969	1.280	.126	.882
16	1.331	.846	1.079	.126	.969	1.280	.126	.882
18	1.331	.907	1.213	.157	1.063	1.378	.126	1.008
20	1.331	.907	1.346	.157	1.157	1.496	.126	1.142
22	1.331	.907	1.472	.157	1.252	1.614	.126	1.268
24	1.331	.907	1.610	.157	1.374	1.752	.146	1.390
28	1.406	.947	1.839	.157	1.563	2.000	.146	1.630
32	1.469	.947	2.102	.157	1.752	2.244	.169	1.882
36	1.469	.947	2.346	.157	1.937	2.500	.169	2.063
40	1.469	.947	2.579	.157	2.185	2.752	.169	2.323

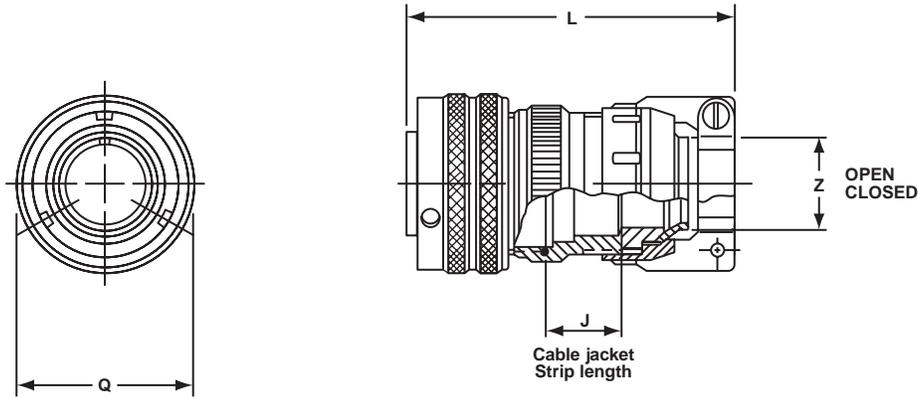
Shell Size	L ± 0.3	M + 0.4 - 0.0	N + 0.00 - 0.15	P ± 0.2	R ± 0.1	S ± 0.3	T + 0.1 - 0.0	KK Max.
10SL	27.6	18.2	18.2	2.8	18.2	25.4	3.2	15.9
14S	27.6	18.2	24.6	3.2	23.0	30.0	3.2	19.2
16S	27.6	18.2	27.4	3.2	24.6	32.5	3.2	22.4
16	33.8	21.5	27.4	3.2	24.6	32.5	3.2	22.4
18	33.8	23.0	30.8	4.0	27.0	35.0	3.2	25.6
20	33.8	23.0	34.2	4.0	29.4	38.0	3.2	29.0
22	33.8	23.0	37.4	4.0	31.8	41.0	3.2	32.2
24	33.8	23.0	40.9	4.0	34.9	44.5	3.7	35.3
28	35.7	24.1	46.7	4.0	39.7	50.8	3.7	41.4
32	37.3	24.1	53.4	4.0	44.5	57.0	4.3	47.8
36	37.3	24.1	59.6	4.0	49.2	63.5	4.3	52.4
40	37.3	24.1	65.5	4.0	55.5	69.9	4.3	59.0

All dimensions for reference only.

# GT06CF

## straight plug

- With a cable clamp and seal
- For use with jacketed cable
- Environment proof



Inches

Shell Size	J Approx.	L Approx.	Q Max.	Z	
				Open	Closed
10SL	.551	2.752	.898	.312	.094
14S	.732	2.898	1.150	.438	.230
16S	.732	2.898	1.260	.531	.315
16	.653	3.216	1.260	.531	.315
18	.705	3.307	1.437	.625	.378
20	.705	3.311	1.571	.748	.445
22	.744	3.350	1.697	.748	.445
24	.689	3.484	1.835	.937	.610
28	.921	3.736	2.102	.937	.610
32	1.016	4.142	2.366	1.250	.921
36	1.031	4.390	2.610	1.378	.921
40	1.614	4.640	2.854	1.624	1.177

Millimeters

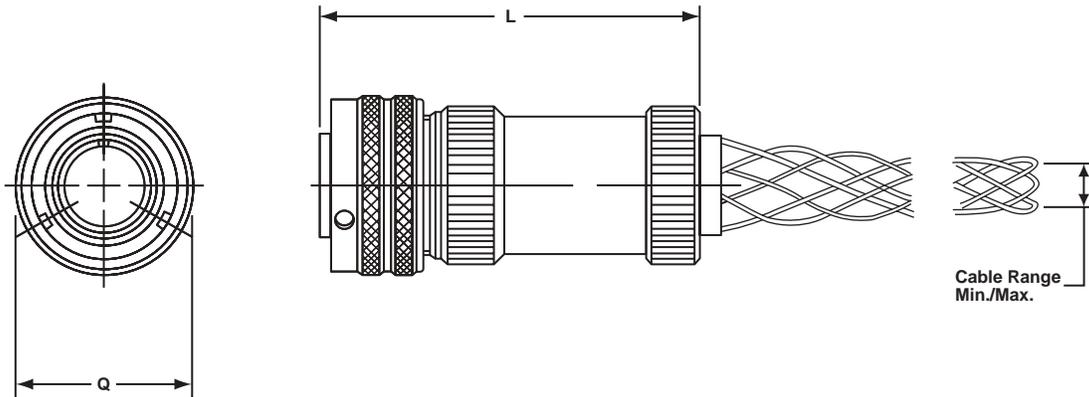
Shell Size	J Approx.	L Approx.	Q Max.	Z	
				Open	Closed
10SL	14.0	69.6	22.8	7.93	2.38
14S	18.6	73.6	29.2	11.12	5.84
16S	18.6	73.6	32.0	13.48	8.00
16	16.6	81.7	32.0	13.48	8.00
18	17.9	84.0	36.5	15.87	9.60
20	17.9	84.1	39.9	19.00	11.30
22	18.9	85.1	43.1	19.00	11.30
24	17.5	88.5	46.6	23.80	15.50
28	23.4	94.9	53.4	23.80	15.50
32	25.8	105.2	60.1	31.75	23.40
36	26.2	111.5	66.3	35.00	23.40
40	41.0	111.5	72.5	41.25	29.90

All dimensions for reference only.

# GT06LC

## straight plug

- Includes a backshell with a basket weave strain relief cord grip
- Environment proof



Inches

Shell Size	L Ref.	Q Max.
10SL	3.000	.898
14S	3.000	1.150
16S	3.000	1.260
16	3.250	1.260
18	3.250	1.437
20	3.250	1.571
22	3.250	1.697
24	3.250	1.835
28	3.600	2.102
32	3.600	2.366
36	3.600	2.610
40	3.600	2.854

Cable Range		
AXX Part No. Suffix*	Min.	Max.
A16	.250	.375
A54	.375	.500
A10	.500	.625
A12	.625	.750
A42	.750	.875
A11	.875	1.000
A55	1.000	1.125
A14	1.125	1.250
A56	1.250	1.375
A74	1.375	1.500
A57	1.500	1.625
A58	1.625	1.750

Millimeters

Shell Size	L Ref.	Q Max.
10SL	76.2	22.8
14S	76.2	29.2
16S	76.2	32.0
16	82.5	32.0
18	82.5	36.4
20	82.5	39.9
22	82.5	43.1
24	82.5	46.6
28	91.4	53.3
32	91.4	60.0
36	91.4	66.2
40	91.4	72.4

Cable Range		
AXX Part No. Suffix*	Min.	Max.
A16	6.3	9.5
A54	9.5	12.7
A10	12.7	15.8
A12	15.8	19.0
A42	19.0	22.2
A11	22.2	25.4
A55	25.4	28.5
A14	28.5	31.7
A56	31.7	34.9
A74	34.9	38.1
A57	38.1	41.2
A58	41.2	44.4

All dimensions for reference only.

\* For example, typical part number would be:  
GTC06LC28-8PA59

# Amphenol® GT Connectors

## how to order, connector intermateability

Part Number System								
GT	C	00	A	FF	36-5	P	W	(014)
1	2	3	4	5	6	7	8	

### 1. Contact Style and Insert Material

- C = Crimp
- CN = Crimp with stainless steel
- S = Solder
- SN = Solder with stainless steel
- CY = Crimp with Viton
- SY = Solder with Viton
- CL = Crimp with low smoke/flame retardant inserts
- SL = Solder with low smoke/flame retardant inserts
- No designation required for Neoprene components

### 2. Shell Style

- 00 - Wall mount receptacle
- 01 - Inline receptacle
- 02 - Box mount receptacle
- 020 - Box mount receptacle with accessory threads
- 030 - Square flange receptacle - rear panel mount
- 05 - Dummy receptacle
- 06 - Straight plug
- 062 - Straight plug with deep serrated coupling nut\*
- 064 - Panel mounted plug with heavy duty coupling nut
- 065 - Straight plug with long heavy duty coupling nut
- 07 - Jam nut receptacle - rear panel mount
- 070 - Jam nut receptacle with accessory threads
- 08 - 90° angle plug
- TB - Thru-bulkhead

### 3. Connector Class - For details, see pages 29-78

- A - Adapter for accessory attachment, non-environmental
- AF - Adapter, clamp for individual wires, non-environmental
- CF - Adapter, jacketed cable clamp, environmental
- CFGG - Adapter, jacketed cable clamp, over molded coupling nut, environmental
- CFZ - Adapter, jacketed cable clamp, individual wire sealing grommet, environmental
- F - Adapter, clamp for individual wires, individual wire sealing grommet, environmental.
- G - Adapter for heat shrink tubing, individual wire sealing grommet, environmental
- G2 - Free turning adapter for heat shrink tubing, individual wire sealing grommet, environmental
- GTTB - Thru bulkhead receptacle, accepts mating plug on both sides
- LC - Long adapter, backshell with jacketed cable basket weave grip, with individual wire sealing grommet, environmental
- LCF - Long adapter, jacketed cable clamp, environmental
- LCFZ - Long adapter, jacketed cable clamp, individual wire sealing grommet, environmental
- LT - Adapter, backshell for terminating metallic core conduit
- PFC - Adapter, backshell for plastic corrugated conduit, individual wire sealing grommet, environmental
- PG - Long adapter with PG threads, individual wire sealing grommet, environmental
- PP - Panel mounted plug
- R - Adapter for accessory attachment, individual wire sealing grommet, environmental

- R - (02/03) No thread, no accessories, environmental with panel sealing gasket
- R - (020) No accessories, environmental with panel sealing gasket
- RFS - (02) No accessories, countersunk mounting holes for use with over molded coupling nut, environmental with panel sealing gasket
- RFSM - (020) No accessories, countersunk mounting holes for use with over molded coupling nut, environmental with panel sealing gasket
- RV - Adapter, individual wire sealing grommet, environmental
- SB - Adapter for termination of EMI/RFI shielded braid with heat shrink tubing or boot, individual wire sealing grommet, environmental
- SBT - Adapter for termination of EMI/RFI shielded braid with heat shrink tubing or boot, individual wire sealing grommet, environmental
- SL - Long adapter, jacketed cable liquid tight strain relief, environmental

### 4. Designation for Mounting Hole - Receptacle Only

- FF - UN Threads
- FM - Metric Threads
- No designation for standard through hole mounting holes.

### 5. Shell Size and Arrangement

See pages 2-4

### 6. Contact Style

- P designates pin contacts
- S designates socket contacts

### 7. Alternate Position

- W, X, Y and Z - See page 5.
- No suffix required for normal position.

### 8. Connector Modification\*

- Omit for standard olive drab with silver plated contacts
- i.e.: (014) Olive drab cadmium plate, nickel base
- (B30) gold/nickel plated contacts
- (025) Black zinc cobalt
- (027) Conductive black zinc cobalt
- (024) Green zinc cobalt
- (LC) Less contacts

\* Consult Amphenol, Sidney, NY

### MATEABILITY WITH IDENTICAL CONTACT ARRANGEMENTS

Connector Style	Mateable with Style
GT00	GT06 / 062 / 064 / 065 / 08
GT01	GT06 / 062 / 064 / 065 / 08
GT02	GT06 / 062 / 064 / 065 / 08
GT020	GT06 / 062 / 064 / 065 / 08
GT030	GT06 / 062 / 064 / 065 / 08
GT06 / 062 / 064 / 065	GT00 / 01 / 02 / 020 / 03 / 030 / 05 / 070 / TB
GT07 / 070	GT06 / 062 / 064 / 065 / 08
GT08	GT00 / 01 / 02 / 020 / 03 / 030 / 05 / 070 / TB
GTTB	GT06 / 062 / 064 / 065 / 08

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