

# MMA

FILTERED AND RECTANGULAR CONNECTORS



# MMA

**Multi** - Compact Blind Mate  
**Modular** - Infinite possibilities  
**ARINC Contact** - Proven Design

**Amphenol** CANADA  
MILITARY & AEROSPACE

# Amphenol CANADA

MILITARY & AEROSPACE

For more than 50 years, Amphenol Canada Corp. a subsidiary of Amphenol Corporation has been an international leader in the manufacture of Rectangular I/O and EMI Filtered Connectors.

We design, manufacture and test EMI / EMP filter and non-filter connectors, which are used worldwide in military, aerospace, and commercial applications. As part of Amphenol Corporation, we have the advantage of access to technologies and processes of Amphenol's worldwide facilities. Our expertise in understanding and supporting our customers' interconnect needs has earned us a reputation of excellence among the world's leading users of electronic components.

## CUSTOMER SERVICE

At Amphenol Canada, customer service is a solid commitment from all our employees. Our product managers, application engineers, product specialists, and sales representatives are able to answer your questions and assist you in choosing the right connectors for your applications.

Using Amphenol's on-line computer system, we are able to promptly update you on your order status, provide you with price and delivery quotations, and address any problems or questions you might have.

Whether you need standard or custom designed connectors, our marketing department is your liaison with Amphenol Canada's engineering, quality and manufacturing experts.

## QUALITY & RELIABILITY

Certified to ISO 9001:2000 + AS9100B  
 Amphenol Canada's broad base of customers and the high levels of technology in which they are involved make it essential that Amphenol's own products are of the highest quality and reliability.

Please contact us for RoHS requirements.



# MMA



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The MMA series is the ultimate solution to fit your needs

Amphenol CANADA



# MMA

**MULTI** - Compact Blind Mate  
**MODULAR** - Infinite Possibilities  
**ARINC CONTACTS** - Proven Design

MMA

## INTRODUCTION

MMA combines many of the best features from popular product lines including ARINC 600's power, RF, fiber optic and quadraX contacts, low mating forces and shrouded size 22 pins. Sealing capabilities are comparable to M83527 with shell seal, face seal and grommet. Modular, removable inserts are effective for separating signal and power contacts, while providing ease of installation and customization in the field. Choose our 360° EMI spring option if shielding effectiveness is a concern. Customer specific designs lead to endless possibilities.



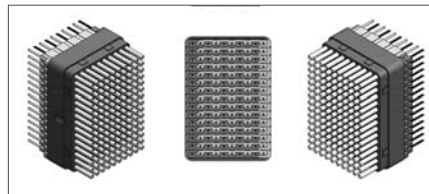
## NEED CONNECTOR FILTERING?

Amphenol Canada can filter any connector design that you may need. See our EMI Filter Connector Catalog or contact Amphenol Canada directly for more information.

## NEXT GEN ARINC

Amphenol Canada features our Next Gen ARINC technology, offering up to 25% weight and cost savings.

The size 22 socket PCB contact is precision stamped and then over-molded to offer a lighter weight and high performance designed contact.



The **NEXT GEN ARINC** of High-quality Interconnects

MMA MATERIALS		
DESCRIPTION	MATERIAL	FINISH
Shell & Backshell	Aluminum Alloy or Composite	"Electroless Nickel, Chem Film (Mil-C-5541, Class 3), RoHS Chem Film (MIL-DTL-5541, Type II, Class 3) OD Chromate, Tin, Gold, Zinc Nickel, Yellow CAD or Nickel Fluorocarbon Polymer (Durmalon)"
Hardware & Polarizing Keys	Stainless Steel	Passivated or Nickel Plated
Inserts	Thermoset or Thermoplastic	---
	Aluminum Alloy	Same as Shell
Grommets & Face Seal	Fluorosilicone Elastomer	---
EMI Spring	Copper Alloy	Nickel Plated, Gold
Shell Seal	Fluorosilicone Elastomer	---
Contacts	Copper Alloy	Gold over Nickel, Solder Dipping is available in both RoHS and non-RoHS Compliance (selective plating on PCB Contacts available)

Contact Amphenol Canada for more information at 416-291-4401 • [www.amphenolcanada.com](http://www.amphenolcanada.com)  
 Download 2D drawings & 3D models using our online configurator.

# How to Order - MMA, MMB, MMC, MMD

## PART NUMBER KEY

1. Connector Series	2. Direction of Cavity	3. Shell Style	4. Shell Size	5. Insert Arrangement	6. Termination	7. Sealing Options	8. Shell Finish	9. Polarization Code	10. Deviation Code
MM	A	P	2	AA	2	E	1	AB	-000








<b>1. CONNECTOR SERIES</b>	<b>MM</b>	Multi-Modular
----------------------------	-----------	---------------








<b>2. DIRECTION OF CAVITY</b>	<b>A</b>	Horizontal, Size 1
	<b>B</b>	Horizontal, Size 2
	<b>C</b>	Vertical, Power Inserts (C), Size 1 and 2
	<b>D</b>	Vertical, Signal Inserts (A/B), Size 1 and 2

<b>3. SHELL STYLE</b>	<b>P</b>	Plug, thru hole mount
	<b>R</b>	Receptacle, #4-40 tapped mount
	<b>C</b>	Plug, #4-40 tapped mount
	<b>T</b>	Receptacle, Thru hole mount

## PART NUMBER KEY

1. Connector Series	2. Direction of Cavity	3. Shell Style	4. Shell Size	5. Insert Arrangement	6. Termination	7. Sealing Options	8. Shell Finish	9. Polarization Code	10. Deviation Code
MM	A	P	2	AA	2	E	1	AB	-000

<b>4. SHELL SIZE</b>  <b>MMA</b> Horizontal Size 1 Signal & Power		<b>0</b>	Custom (additional inserts, multiple rows, mixed layouts, etc.)
		<b>1</b>	Size 1 (C & C), 2 Power inserts
		<b>2</b>	Size 1 (A/B & C), 1 Signal & 1 Power Inserts
		<b>3</b>	Size 1 (A/B & A/B), 2 Signal Inserts
		<b>4</b>	Size 1 (C & A/B), 1 Power & 1 Signal Inserts, (Reverse #2)
		<b>5</b>	Size 1 (C), 1 Power Insert
		<b>6</b>	Size 1 (A/B), 1 Signal Insert

<b>4. SHELL SIZE</b>  <b>MMB</b> Horizontal Size 2 Signal & Power		<b>0</b>	Custom (additional inserts, multiple rows, mixed layouts, etc.)
		<b>1</b>	Size 2 (C & C), 2 Power Inserts
		<b>2</b>	Size 2 (A/B & C), 1 Signal & 1 Power Inserts
		<b>3</b>	Size 2 (A/B & A/B), 2 Signal Inserts
		<b>4</b>	Size 2 (C & A/B), 1 Power & 1 Signal Inserts (Reverse #2)
		<b>5</b>	Size 2 (C), 1 Power Insert
		<b>6</b>	Size 2 (A/B), 1 Signal Insert

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### PART NUMBER KEY

1. Connector Series	2. Direction of Cavity	3. Shell Style	4. Shell Size	5. Insert Arrangement	6. Termination	7. Sealing Options	8. Shell Finish	9. Polarization Code	10. Deviation Code
MM	A	P	<b>2</b>	AA	2	E	1	AB	-000



4. SHELL SIZE		0	Custom (additional inserts, multiple rows, mixed layouts, etc.)
<b>MMC</b> Vertical Size 1 & 2 Power		<b>1</b>	Size 1 (C & C), 2 Power Inserts
		<b>2</b>	Size 2 & 1(C & C), 2 Power Inserts, Mixed Cavity
		<b>3</b>	Size 2 (C & C), 2 Power Inserts
		<b>4</b>	Size 1 & 2 (C & C), 2 Power Inserts, Mixed Cavity (Reverse #2)
		<b>5</b>	Size 1 (C), 1 Power Insert
		<b>6</b>	Size 2 (C), 1 Power Insert

4. SHELL SIZE		0	Custom (additional inserts, multiple rows, mixed layouts, etc.)
<b>MMD</b> Vertical Size 1 & 2 Signal		<b>1</b>	Size 1 (A/B & A/B), 2 Signal Inserts
		<b>2</b>	Size 2 & 1 (A/B & A/B), 2 Signal Inserts, Mixed Cavity
		<b>3</b>	Size 2 (A/B & A/B), 2 Signal Inserts
		<b>4</b>	Size 1 & 2 (A/B & A/B), 2 Signal Inserts, Mixed Cavity (Reverse #2)
		<b>5</b>	Size 1 (A/B), 1 Signal Insert
		<b>6</b>	Size 2 (A/B), 1 Signal Insert

# How to Order - MMA, MMB, MMC, MMD

## PART NUMBER KEY

1. Connector Series	2. Direction of Cavity	3. Shell Style	4. Shell Size	5. Insert Arrangement	6. Termination	7. Sealing Options	8. Shell Finish	9. Polarization Code	10. Deviation Code
MM	A	P	2	AA	2	E	1	AB	-000

MMA

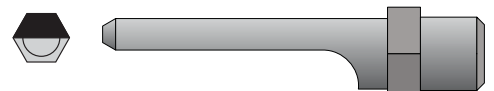
5. INSERT ARRANGEMENT PAGE 7-9	Code	Description
1st Letter for Cavity A, 2nd letter for Cavity B. See insert patterns for coded letters on page 7-9	AA	2 Cavity (use letter) (A/B & A/B), (C & C), (A/B & C), (C & A/B)
	A	1 Cavity
	ZZ	Custom

6. TERMINATION	Code	Description
Fiber & RF Contacts are NOT Included	0	Custom
	1	Crimp style, contacts not included
	2	Crimp style, contacts included
	3	PC Tail, .150" Tail ext
	4	PC Tail, .250" Tail ext
	5	PC Tail, .375" Tail ext
	6	PC Tail, Right Angle
7	Mix of Crimp & PC Tail	

Fiber & RF Contacts are NOT Included

7. SEALING OPTIONS	Code	Description
	E	Environmental Inserts w/Face Seal, Shell Seal (plug only) & Grommet
	N	Non-environmental Inserts, no Face Seal or Grommet

8. SHELL FINISH	Code	Description
	1	Electroless Nickel
	2	OD Chromate
	3	Tin
	4	Gold
	5	Zinc Nickel
	6	Yellow CAD
	7	Chem Film
	8	Nickel Fluorocarbon Polymer (Durmalon)



## POLARIZATION CODE

POLARIZATION CODE LETTER	RECEPTACLE MATING FACE	PLUG MATING FACE
A		
B		
C		
D		
E		
F		
K	SUPPLIED AS A KIT BUT NOT INSTALLED	
N	NOT SUPPLIED	

9. POLARIZATION CODE	Code	Description
	XX	1st letter for Cavity A, 2nd for Cavity B
	KK	Supplied but not installed
	NN	Polarization not supplied

10. DEVIATION CODE	Code	Description
	-000	Standard connector, no options
	-F00	Fixed Inserts
	-001	EMI spring (plug only)
	-F01	EMI spring (plug only) + fixed inserts
	-002	Shell seal
	-XXX	Custom code

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# Insert Arrangements

## Size 1 Signal (A/B) and Power (C)

Size 1 Signal (A/B)

PART NUMBER	30C2 30T2	
	QTY	Size
B	28	22
	2	8 C, T

PART NUMBER	30Q2	
	QTY	Size
J	28	22
	2	8 Q

PART NUMBER	60	
	QTY	Size
P	60	22

PART NUMBER	4Q4	
	QTY	Size
R	4	8 Q

PART NUMBER	4C4 4T4	
	QTY	Size
S	4	8 C, T

PART NUMBER	20	
	QTY	Size
T	20	16

PART NUMBER	8	
	QTY	Size
U	8	12

PART NUMBER	42	
	QTY	Size
V	42	20

PART NUMBER	32	
	QTY	Size
W	8	16
	24	20

PART NUMBER	BLANK	
	QTY	Size
Y		

Size 1 Power (C)

PART NUMBER	40	
	QTY	Size
A	40	22

PART NUMBER	5C2 5T2	
	QTY	Size
B	2	16
	1	12
	2	5 C, T

PART NUMBER	3Q3	
	QTY	Size
C	3	8 Q

PART NUMBER	12F12	
	QTY	Size
D	12	16 F

PART NUMBER	30	
	QTY	Size
E	30	20

PART NUMBER	6	
	QTY	Size
F	6	12

PART NUMBER	17	
	QTY	Size
G	3	12
	14	20

PART NUMBER	22	
	QTY	Size
H	6	16
	16	20

PART NUMBER	5Q2	
	QTY	Size
J	2	16
	1	12
	2	5 Q

PART NUMBER	4	
	QTY	Size
P	4	12

PART NUMBER	Blank	
	QTY	Size
Y		

**C** COAX

**T** TWINAX OR TRIAX

**F** FIBER

**Q** QUADRAX

Note: Inserts are interchangeable between Coax, Twinax, and Triax contacts



# Insert Arrangements

## Size 2 Signal (A/B)

MMA

PART NUMBER



C T

4C4 4T4	
QTY	Size
4	1 C, T



C T

2C2 2T2	
QTY	Size
2	1 C, T



Q

68Q4	
QTY	Size
62	22
6	16
4	8 Q



Q

11Q11	
QTY	Size
11	8 Q



24

QTY	Size
24	12



C T

18C8 18T8	
QTY	Size
10	16
8	8 C, T



C T

10C10 10T10	
QTY	Size
10	8 C, T



35

QTY	Size
35	16



60

QTY	Size
60	20



C T

71C1 71T1	
QTY	Size
70	22
1	1 C, T



C T

47C2 47T2	
QTY	Size
47	20
2	8 C, T



110

QTY	Size
100	22
5	20
5	12



C T

120C2 120T2	
QTY	Size
118	22
2	8 C, T



Q

120Q2	
QTY	Size
118	22
2	8 Q



121

QTY	Size
110	22
6	20
5	16



150

QTY	Size
150	22



126

QTY	Size
120	22
6	16



F

17CF5	
QTY	Size
12	12
5	16 F



Q

18Q6	
QTY	Size
12	16
6	8 Q



F Q

20F12Q8	
QTY	Size
12	16 F
8	8 Q



C T

82C12 82T12	
QTY	Size
70	22
12	8 C, T



C T

28C8 28T8	
QTY	Size
10	22
10	16
8	8 C, T



F

36F36	
QTY	Size
36	16F



BLANK	
QTY	Size

**C** COAX   **T** TWINAX OR TRIAX   **F** FIBER   **Q** QUADRAX

























Note: Inserts are interchangeable between Coax, Twinax, and Triax contacts

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# Insert Arrangements Size 2 Power (C)

Amphenol CANADA

MMA

PART NUMBER						
	<b>C T</b>				<b>C T F</b>	
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
	13C2 13T2	100	85	59	62C2 62T2	34
	QTY Size	QTY Size	QTY Size	QTY Size	QTY Size	QTY Size
4 20	100 22	80 22	50 22	60 22	24 20	
3 16		4 20	5 16	2 16	10 16	
4 12		1 16	4 12	2 8 C, T		
2 5 C, T						
						
<b>Q</b>	<b>Q</b>	<b>C T</b>	<b>Q</b>	<b>Q</b>		
<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	
11Q2	6Q6	6C6 6T6	68Q2	24Q4	24	
QTY Size	QTY Size	QTY Size	QTY Size	QTY Size	QTY Size	
4 20	6 8 Q	6 8 C, T	68 22	20 20	12 22	
3 16			2 8 Q	4 8 Q	12 12	
4 12						
2 5 Q						
						
<b>C T Q</b>	<b>C T</b>		<b>C T</b>			
<b>M</b>	<b>N</b>	<b>O</b>	<b>P</b>	<b>Q</b>	<b>R</b>	
10C4Q1 10T4Q1	24C4 24T4	16	11C4 11T4	25	28	
QTY Size	QTY Size	QTY Size	QTY Size	QTY Size	QTY Size	
5 20	20 20	16 12	11 16	25 16	14 22	
4 8 C, T	4 8 C, T		4 8 C, T		14 12	
1 8 Q						
						
<b>F</b>	<b>F</b>	<b>C T F</b>	<b>C T F</b>	<b>C T Q</b>		
<b>S</b>	<b>T</b>	<b>U</b>	<b>V</b>	<b>W</b>	<b>Y</b>	
24F24	20F12	12F5C2 12F5T2	17F12C2 17F12T2	18C4Q2 18T4Q2	BLANK	
QTY Size	QTY Size	QTY Size	QTY Size	QTY Size	QTY Size	
24 16 F	4 20	1 16	3 16	10 22		
	4 12	4 12	2 8 C, T	2 12		
	12 16 F	2 8 C, T	12 16 F	4 12 C, T		
		5 16 F		2 8 Q		

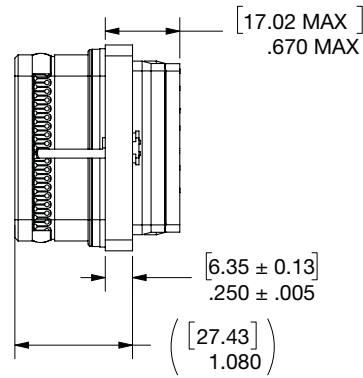
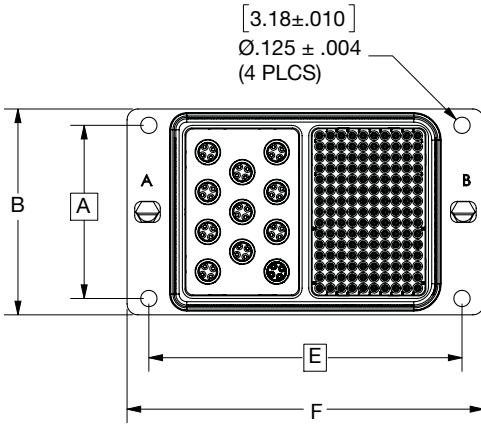
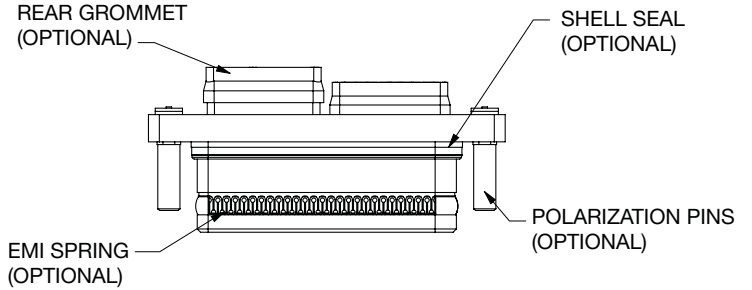
**C** COAX    **T** TWINAX OR TRIAX    **F** FIBER    **Q** QUADRAX

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# MMA, MMB, MMC, MMD Plugs

MMA

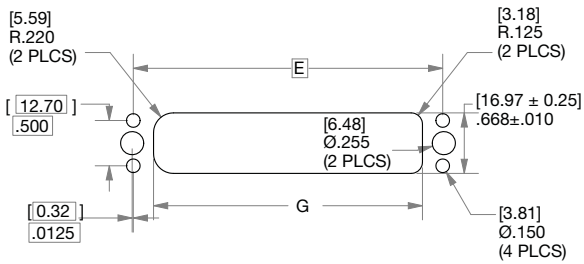


## PLUGS

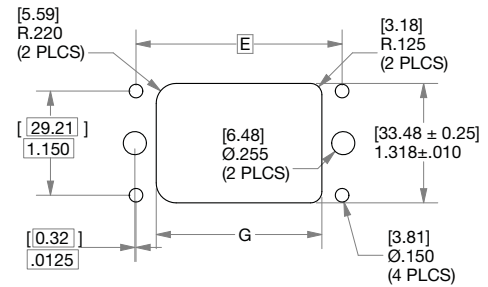
Series	Shell Size	A		B		E		F		AR600 Insert Size	AR600 Cavity Size	Orientation	No. of Cavities
		in. (mm)	in. ±.010 (mm) ±.25	in.	mm	in. ± .010	mm ± .25						
<b>MMA</b> Horizontal Size 1 Signal & Power	0	Custom											
	1	0.500 (12.7)	0.800 (20.32)	2.975	75.57	3.375	85.725	1	C-C	Horizontal	2		
	2			3.415	86.74	3.815	96.901	1	A-C	Horizontal	2		
	3			3.855	97.92	4.255	108.077	1	A-A	Horizontal	2		
	4			3.415	86.74	3.815	96.901	1	C-A	Horizontal	2		
	5			1.765	44.83	2.165	54.991	1	C	Horizontal	1		
6	2.205			56.01	2.605	66.167	1	A	Horizontal	1			
<b>MMB</b> Horizontal Size 2 Signal & Power	0	Custom											
	1	1.1 (27.94)	1.4 (35.56)	2.975	75.57	3.375	85.73	2	C-C	Horizontal	2		
	2			3.415	86.74	3.815	96.90	2	A-C	Horizontal	2		
	3			3.855	97.92	4.255	108.08	2	A-A	Horizontal	2		
	4			3.415	86.74	3.815	96.90	2	C-A	Horizontal	2		
	5			1.765	44.83	2.165	54.99	2	C	Horizontal	1		
6	2.205			56.01	2.605	66.17	2	A	Horizontal	1			
<b>MMC</b> Vertical Size C Power	0	Custom											
	1	1.15 (29.21)	1.45 (35.56)	1.675	42.55	2.075	52.71	1	C-C	Vertical	2		
	2			2.275	57.79	2.675	67.95	2-1	C-C	Vertical	2		
	3			2.875	73.03	3.275	83.19	2	C-C	Vertical	2		
	4			2.275	57.79	2.675	67.95	1-2	C-C	Vertical	2		
	5			1.115	28.32	1.515	38.48	1	C	Vertical	1		
6	1.715			43.56	2.115	53.72	2	C	Vertical	1			
<b>MMD</b> Vertical Size A Signal	0	Custom											
	1	1.59 (40.39)	1.89 (36.83)	1.675	42.55	2.075	52.71	1	A-A	Vertical	2		
	2			2.275	57.79	2.675	67.95	2-1	A-A	Vertical	2		
	3			2.875	73.03	3.275	83.19	2	A-A	Vertical	2		
	4			2.275	57.79	2.675	67.95	1-2	A-A	Vertical	2		
	5			1.115	28.32	1.515	38.48	1	A	Vertical	1		
6	1.715			43.56	2.115	53.72	2	A	Vertical	1			

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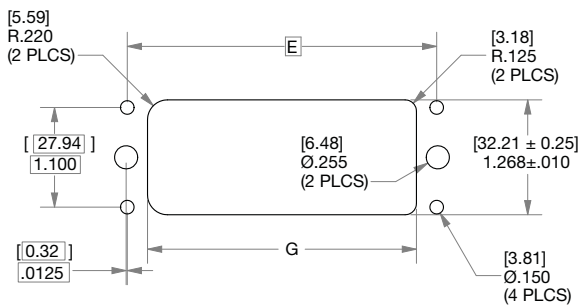
## MMA



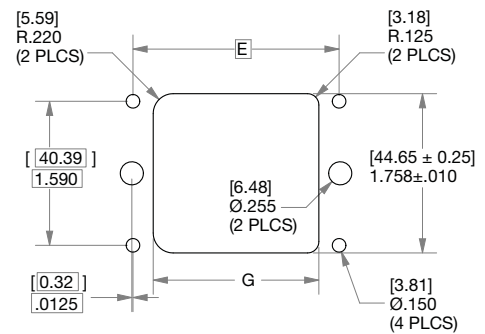
## MMC



## MMB



## MMD



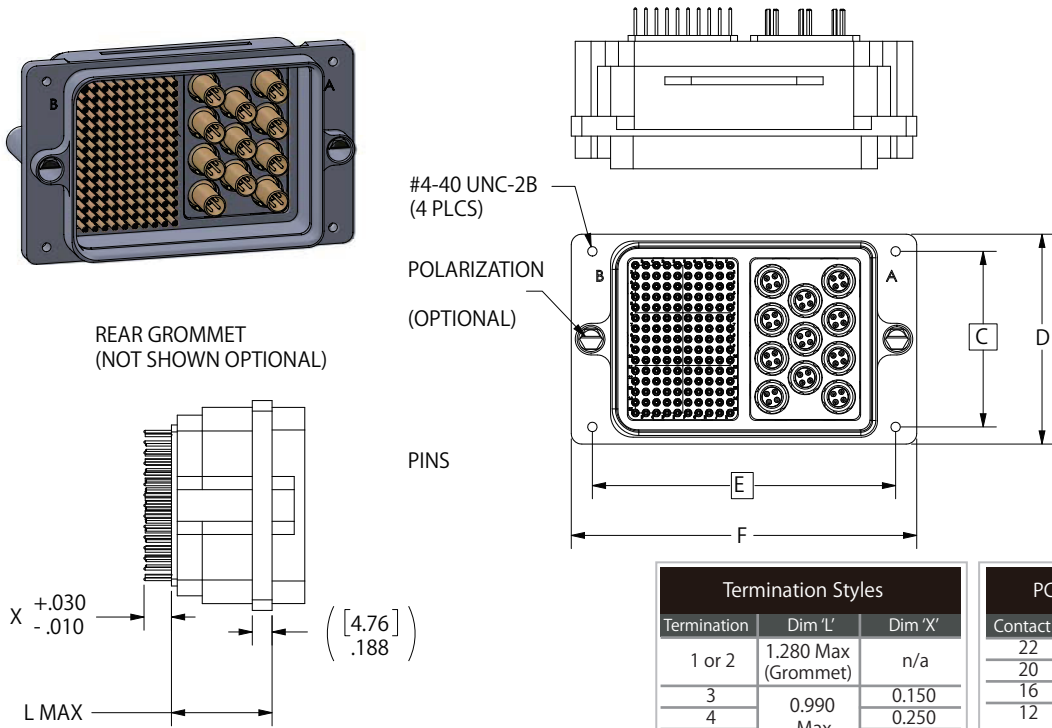
MMA & MMB		
Shell Size	Dimension E	Dimension G
Tolerance	In ±.010 (mm ±.25)	
1	2.975 (75.57)	2.528 (64.21)
2	3.415 (86.74)	2.968 (75.39)
3	3.855 (97.92)	3.408 (85.56)
4	3.415 (86.74)	2.968 (75.39)
5	1.765 (44.83)	1.318 (33.48)
6	2.205 (56.01)	1.758 (44.65)

MMC & MMD		
Shell Size	Dimension E	Dimension G
Tolerance	In ±.010 (mm ±.25)	
1	1.675 (42.54)	1.228 (31.19)
2	2.275 (57.79)	1.828 (46.43)
3	2.875 (73.03)	2.428 (61.67)
4	2.275 (57.79)	1.828 (46.43)
5	1.115 (28.32)	0.668 (16.97)
6	1.715 (43.56)	1.268 (32.21)

Dimensions are shown in inches, (mm).  
All dimensions for reference only.

# MMA, MMB, MMC, MMD Receptacles

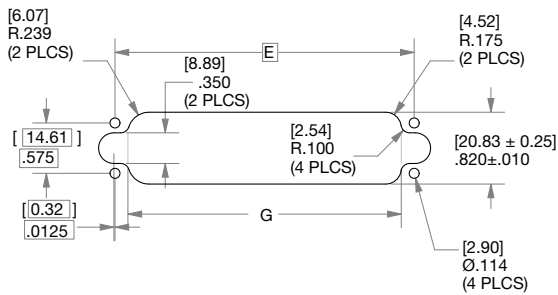
MMA



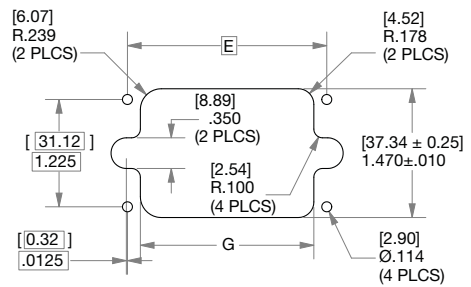
RECEPTACLES													
Series	Shell Size	C		D		E		F		AR600 Insert Size	AR600 Cavity Size	Orientation	No. of Cavities
		in. (mm)	in. (mm)	in.	mm	in. ± .010	mm ± .25						
MMA Horizontal Size 1	0	Custom											
	1	0.575 (14.61)	0.900 (22.86)	2.975	75.57	3.375	85.725	1	C-C	Horizontal	2		
	2			3.415	86.74	3.815	96.901	1	A-C	Horizontal	2		
	3			3.855	97.92	4.255	108.077	1	A-A	Horizontal	2		
	4			3.415	86.74	3.815	96.901	1	C-A	Horizontal	2		
	5			1.765	44.83	2.165	54.991	1	C	Horizontal	1		
	6			2.205	56.01	2.605	66.167	1	A	Horizontal	1		
MMB Horizontal Size 2	0	Custom											
	1	1.175 (29.85)	1.5 (38.10)	2.975	75.57	3.375	85.73	2	C-C	Horizontal	2		
	2			3.415	86.74	3.815	96.90	2	A-C	Horizontal	2		
	3			3.855	97.92	4.255	108.08	2	A-A	Horizontal	2		
	4			3.415	86.74	3.815	96.90	2	C-A	Horizontal	2		
	5			1.765	44.83	2.165	54.99	2	C	Horizontal	1		
	6			2.205	56.01	2.605	66.17	2	A	Horizontal	1		
MMC Vertical Size C	0	Custom											
	1	1.225 (31.12)	1.55 (39.37)	1.675	42.55	2.075	52.71	1	C-C	Vertical	2		
	2			2.275	57.79	2.675	67.95	2-1	C-C	Vertical	2		
	3			2.875	73.03	3.275	83.19	2	C-C	Vertical	2		
	4			2.275	57.79	2.675	67.95	1-2	C-C	Vertical	2		
	5			1.115	28.32	1.515	38.48	1	C	Vertical	1		
	6			1.715	43.56	2.115	53.72	2	C	Vertical	1		
MMD Vertical Size A	0	Custom											
	1	1.665 (42.29)	1.99 (50.55)	1.675	42.55	2.075	52.71	1	A-A	Vertical	2		
	2			2.275	57.79	2.675	67.95	2-1	A-A	Vertical	2		
	3			2.875	73.03	3.275	83.19	2	A-A	Vertical	2		
	4			2.275	57.79	2.675	67.95	1-2	A-A	Vertical	2		
	5			1.115	28.32	1.515	38.48	1	A	Vertical	1		
	6			1.715	43.56	2.115	53.72	2	A	Vertical	1		

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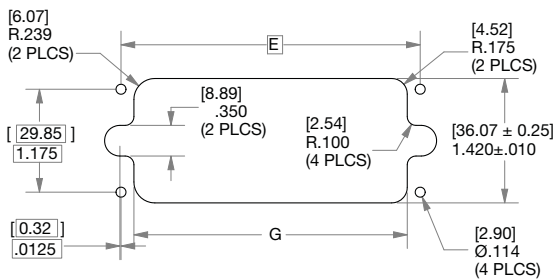
## MMA



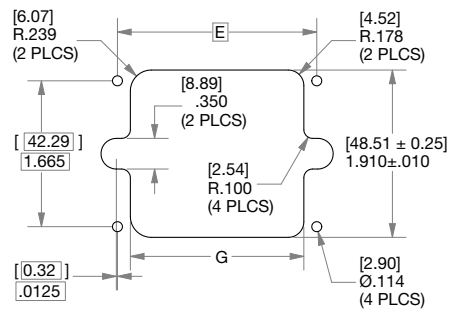
## MMC



## MMB



## MMD



### MMA & MMB

Shell Size	Dimension E	Dimension G
Tolerance	In ±.010 (mm ±.25)	
1	2.975 (75.57)	2.680 (67.07)
2	3.415 (86.74)	3.120 (79.25)
3	3.855 (97.92)	3.560 (90.42)
4	3.415 (86.74)	3.120 (79.25)
5	1.765 (44.83)	1.470 (37.34)
6	2.205 (56.01)	1.910 (48.51)

Dimensions are shown in inches, (mm).  
All dimensions for reference only.

### MMC & MMD

Shell Size	Dimension E	Dimension G
Tolerance	In ±.010 (mm ±.25)	
1	1.675 (42.54)	1.380 (35.05)
2	2.275 (57.79)	1.980 (50.29)
3	2.875 (73.03)	2.580 (65.53)
4	2.275 (57.79)	1.980 (50.29)
5	1.115 (28.32)	0.820 (20.83)
6	1.715 (43.56)	1.420 (36.07)



# Contact Data & Plugs

Contacts for Amphenol ARINC 600 Rack and Panel Connectors can be ordered separately. Use part numbers shown in the charts below for ordering contacts and applicable tools. For further information consult Amphenol Canada Corporation



## CRIMP CONTACTS

Contact Type	Size	Receptacle		Plug		Installation/Removal Tool	Crimp Tool	Positioner	AWG	MAX Insulation Dia.
		Type	Part No.	Type	Part No.					
Signal	22	Socket	AC-782222-301	Pin	AC-772222-301	M81969/1-01	M22520/2-01	M22520/2-23	22, 24 & 26	0.052"
	20		AC-772020-302		AC-782020-302	M81969/1-02	M22520/2-01	M22520/2-08	20, 22 & 24	0.060"
Power	16	Pin	AC-771616-303	Socket	AC-781616-303	M81969/1-03	M22520/1-01	M22520/2-02	16, 18 & 20	0.080"
	12		AC-771212-304		AC-781212-304	M81969/28-02	M22520/1-01	M22520/2-11	12 & 14	0.114"

Contacts are rear release



## PCB TAILS FOR SIGNAL AND POWER

Contact Type	Size	PCB STD DIA ± .002"	Receptacle		Plug		PC Tail Ext "XX"				"Z"	PC Tail Dip	Removal Tool
			Type	Part No.	Type	Part No.	0.250"	0.150"	.375"	0.500"			
Signal	22	0.025"	Socket	AC-7822XX-801	Pin	AC-7722XX-Z01	00	02	03	04	G = Gold S = Solder T = Tin		485-937-22
Power	20	0.032"	Pin	AC-7720XX-Z01	Socket	AC-7820XX	00	02	03	04			485-937-20
	16	0.050"		AC-7716XX-Z01		AC-7816XX	00	02	03	04			485-937-16
	12	0.081"		AC-7712XX-Z01		AC-7812XX	00	02	06	04			485-937-12

Contacts are front release

## FILLER PLUGS

Contact Cavity Size	Amphenol Part Numbers	Color	EMI Electroless Nickel Plated
22	AC-660022-701	Black	AC-660022-E01
20	AC-660020-701	Red	AC-660020-E01
16	AC-660016-701	Blue	AC-660016-E01
16 Fiber	AC-660016F-701	Blue	AC-660016F-E01
12	AC-660012-701	Yellow	AC-660012-E01
8 Coax	AC-660008-701	Red	AC-660008-E01
5 Coax (Plug)	AC-660005-701	White	AC-660005-E01
5 Coax (Recept.)	AC-660004-701	White	AC-660004-E01



## SEALING PLUGS

Contact Cavity Size	Amphenol Part Numbers	Color
22	AC-660022-801	Black
20	AC-660020-801	Red
16	AC-660016-801	Blue
12	AC-660012-801	Yellow
8 Coax	AC-660008-801	Red

Note: Filler plugs are for non-environmental connectors.

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## FRONT RELEASE PC TAIL CONTACTS FOR COAX, QUADRAX AND TWINAX

Contact Type	Size	Receptacle		Plug		PC Tail EXT "XX"			
		Type	Part No.	Type	Part No.	0.250"	0.150"	.375"	0.500"
Coax	5	Pin	AC-6C05PP01-XX	Socket	AC-6C05SP01-XX	00	02	03	04
	8		AC-6C08PP01-XX		AC-6C08SP01-XX	00	02	03	04
Quadrax	8		AC-6Q08PP01-XX		AC-6Q08SP01-XX	00	02	03	04
Twinax	8		AC-6T08PP01-XX		AC-6T08SP01-XX	00	02	06	04

For other contact lengths, please contact the factory or Amphenol Canada.

## TRANSCEIVERS

Protocol	Size	Transmitting Pin	Receiving Pin
801	8	AC-6A08PP01-01	AC-6B08PP01-01
ELIO		AC-6A08PP02-01	AC-6B08PP02-01

# RF Contacts



CRIMPED  
PIN



CRIMPED  
SOCKET



TYPE	SIZE	RECEPTACLE		PLUG		CABLE TYPE	TECHNICAL NOTES					"X" = BOOT TYPE
		Type	Part No.	Type	Part No.		Inner Crimp	Positioner	Outer	Die	Removal Tool	
RF	1		AC-6C01PC01-01		AC-6C01SC01-01	RG214 & RG393	NA	NA	NA	NA	NA	
	5	Coax Pin	AC-6C05PC01-01X		AC-6C05SC01-01X	RG142, RG400	M22520/2-01	"K345 SETTING 8 (RG142) SETTING 6 (RG400)"	M22520/5-01	M22520/5-05	M81969/28-01	A = Non-Enviro w/Alignment Boot N = Non-Enviro w/o Alignment Boot (NO BOOT) E = Enviro w/ Sealing & Alignment Boot T = Enviro for Tight Spacing w/ Sealing & Alignment Boot B = Enviro for Sealing to the insert w/o Grommet w/ Sealing Boot
			AC-6C05PC01-02X		AC-6C05SC01-02X	RG58/U						
			AC-6C05PC01-03X		AC-6C05SC01-03X	RD174, RG179, RG316						
	8		AC-6C08PC01-01X		AC-6C08SC01-01X	RG179	M22520/2-01	"K345 SETTING 7"	M22520/5-01	"M22520/5-05 HEX B (.178 FLATS)"	"M81969/29-2 (or 485-952)"	
	8	Quadrax Pin	AC-6Q08PC01-01X		AC-6Q08SC01-01X	"DRAKA FILICA F4703-3 & F4704-4, NEXANS FILOTEK ABS1503KD24/ET2PF870"	M22520/2-01	"K709 SETTING 5"	M22520/5-01	"M22520/5-45 SETTING B"	485-952	
			AC-6Q08PC01-02X		AC-6Q08SC01-02X	TENSOLITE NF24Q100, 24443/03130X-4(LD), 24443/9P025X-4(LD), BOEING S280W502-4						
			AC-6Q08PC01-03X		AC-6Q08SC01-03X	"TENSOLITE 26743102006X-4(LD) or GORE RCN8328"						
	8	Twinax Pin	AC-6T08PC01-01X		AC-6T08SC01-01X	TENSOLITE 24463/9P025X-2(LD)	AFM-2	"K1168 SETTING 6"	M22520/5-01	"Y586 SETTING B"	M81969/28-03	
			AC-6T08PC01-02X		AC-6T08SC01-02X	GORE GSC-12-2548-00						
			AC-6T08PC01-03X		AC-6T08SC01-03X	GRUMMAN GC875TM24H						



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1.	2.	3.	4.	5.	6.	7.
Connector Series	Backshell	Shell Style	Size	Style	Plating	Customer Number
<b>MMX</b>	<b>B</b>	<b>P</b>	<b>2</b>	<b>E</b>	<b>1</b>	<b>000</b>

1. CONNECTOR SERIES	
<b>MMX</b>	Series

2. BACK SHELL	
<b>B</b>	Backshell

3. SHELL STYLE	
<b>P</b>	Plug
<b>R</b>	Receptacle

4. SIZE	
<b>1</b>	CAV C-C
<b>2</b>	CAV A-C
<b>3</b>	CAV A-A
<b>4</b>	CAV C
<b>5</b>	CAV A

5. STYLE	
<b>A</b>	Split, Saddle Clamp
<b>B</b>	Split, EMI
<b>C</b>	One Piece, Sealed, EMI
<b>D</b>	Threaded Adapter
<b>E</b>	Split, Strain Relief
<b>F</b>	Sealed, Strain Relief

6. PLATING	
<b>1</b>	Electroless Nickel
<b>2</b>	OD Chromate
<b>3</b>	Tin
<b>4</b>	Gold
<b>5</b>	Zinc Nickel
<b>6</b>	Yellow CAD
<b>7</b>	Chem Film
<b>8</b>	Nickel Fluorocarbon Polymer (Durmalon)

7. CUSTOMER NUMBER	
<b>000</b>	Customer Number

