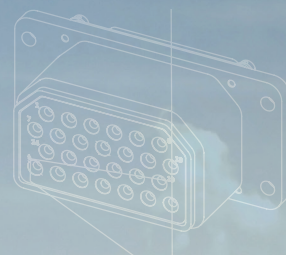
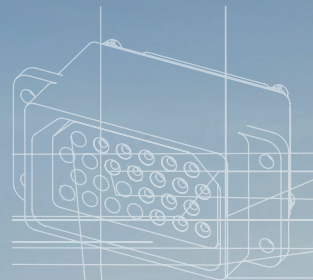


ARINC-404

RACK & PANEL CONNECTOR



Amphenol CANADA
MILITARY & AEROSPACE

ARINC 404



TABLE OF CONTENTS

Introduction, Performance & Material Specifications	2
How-to-order	3
Insert Arrangement Patterns	4-5
Insert Layout Designator	6-14
Mounting Modifier	15-16
Keying	17
Polarizing Positions	18-20
Single Bay (A) - Non Polarized, Plug and Receptacle Drawings	21
Single Bay (B) - Polarized, Plug and Receptacle Drawings	22
Double Bay (2) - Polarized, Plug and Receptacle Drawings	23
Triple Bay (3) - Polarized, Plug and Receptacle Drawings	24
Four Bay (4) - Polarized, Plug and Receptacle Drawings	25
Panel Cutouts A, B, and 2	26
Panel Cutouts 3 and 4	27
Contacts:	
Contacts Power/Signal, Coax, Dust Covers	28
RF Contacts	29
Backshells How-to-order	30
Filter:	
Filter Overview	31
Filter Parameters	32
Filter Construction, Technical Details	33
Filter Plots	34
Filter How-to-order	35

Introduction to Rack and Panel Connectors

ARINC 404

INTRODUCTION

Amphenol's "AR" Series, ARINC rack and panel connectors, are designed to meet or exceed the requirements of MIL-C-81659 and ARINC Specification 404. The "AR" Series is a multi-purpose connector used in aerospace, military and computer periphery applications.

These connectors are available in five shell styles with up to four insert cavities. Inserts in this product line accommodate signal and power contacts in sizes 12, 16, 20 and 22. Coaxial contacts are available in sizes 5 and 9. Insert arrangements are available utilizing a single type contact or a combination of standard and coaxial contacts.

Non-environmental and environmentally sealed connectors are offered. The environmental sealing is accomplished by wire sealing grommets and interfacial seals. Application specific designs, including transient protection, are available from Amphenol. Please ask your local sales engineer or contact Amphenol Canada Corporation for further information.

PERFORMANCE SPECIFICATIONS

Amphenol "AR" Series Connectors are designed per ARINC 404 specifications and utilize pin and socket contacts manufactured in conformance with MIL-C-39029.



MATERIAL SPECIFICATIONS

Material Specifications	Material	Finish
Shells	Aluminum Alloy	"Yellow or Olive drab Chromate over Cadmium, Electroless Nickel, Chem film (Anodized), Nickel-PTFE/ Durmalon"
Retaining Plates	Aluminum Alloy	Blue anodized, Electroless Nickel
Insulator Material	Thermoset or Thermoplastic	
Screws, Lock washers, Washers	Stainless Steel	Passivated
Contact	Copper Alloy	Gold over Nickel
Contact Hood	Stainless Steel	Passivated
Contact Retention Clips	Beryllium Copper	
Face Seals, Grommets	Silicone Rubber or Fluorosilicone Rubber	
Polarization Kit - PLUG		
Post, Lock washer	Stainless Steel	Passivated
Nut	Brass	Yellow Chromate over Cadmium or Electroless Nickel
Polarization Kit - RECEPTACLE		
Plate	Aluminum Alloy	Electroless Nickel
Keys	Aluminum or Zinc Alloy	Yellow Chromate over Cadmium
Screws	Stainless Steel	Passivated

1.	2.	3.	4.	5.	6.	7.	8.	9.
RoHS Compliance	Connector Series	Shell Style	Class	Insert Layout Designator	Shell Type	Connector Mounting Modifier	Polarizing Position	Modification (Contact, Finish, Material)
E	AR	2	A	313	3	00	01	200

1. ROHS COMPLIANCE	
E	RoHS Compliant
	Omit for non-RoHS compliant connectors

2. CONNECTOR SERIES	
AR	Series Connector ARINC 404

3. SHELL STYLE	
A	Single Bay, non-polarized
B	Single Bay, polarized
2	Double Bay, polarized
3	Triple Bay, polarized
4	Four Bay, polarized

4. CLASS	
A	Non-environmental, standard commercial connector
E	Environmentally sealed connector

5. INSERT LAYOUT DESIGNATOR - SEE PAGES 6-14	
See insert layout charts on pages 6-14. For Military style inserts, include an 'M' ahead of the Insert Designator Number.	

6. SHELL TYPE	
3	Plug (rack side)
4	Receptacle (box side)

7. MODIFICATION CODE	
See pages 15-16 for chart and illustrations.	

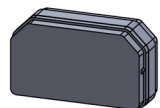
8. POLARIZING POSITION			
Polarization Position Code	Part Number	QTY	Description
00	Not Required	Not Required	Polarization kit not intalled or supplied
XX (where XX is 01 to M6)	AC-040020-K02	1	Polarization kit is installed per Amphenol Spec \$1023M
DD	AC-040020-K01	1	Polarization kit is supplied but not installed

9. CUSTOMER ORDERING CODE	
200	Standard connector kit with standard contacts. RF contacts are not supplied with the connector and must be ordered separately
201	Standard connector without contacts supplied. Contacts must be ordered separately
204	Standard connector kit with 3% extra contacts supplied per connector per contact population per contact size
XXX	Customer Ordering Code - Custom Designs

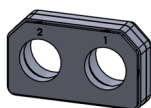
Consult factory if other modifications are required.

Insert Arrangements

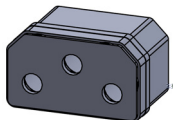
ARINC 404



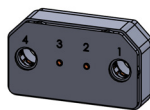
(0)	BLANK
QTY	Size



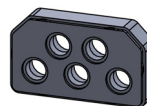
C	(2)	C2
QTY	Size	
2	1 C	



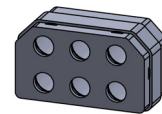
C	(3)	C3A
QTY	Size	
3	9 C	



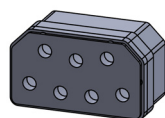
C	F	(4)	4F2C2
QTY	Size		
2	8 C		
2	16 F		



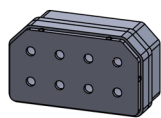
C	(5)	C5
QTY	Size	
5	5 C	



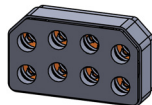
T	(6)	C6
QTY	Size	
6	9 T	



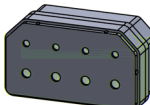
(7)	7
QTY	Size
7	8



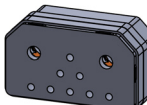
(8)	8
QTY	Size
8	12



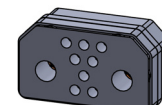
C	(8)	C8
QTY	Size	
8	9 C	



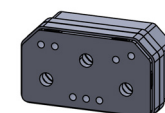
C	(8)	D8
QTY	Size	
4	16	
4	16 or 15 C	



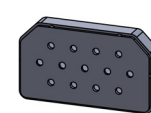
(10)	10
QTY	Size
8	20
2	8



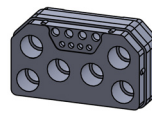
(10)	A10
QTY	Size
8	16
2	8



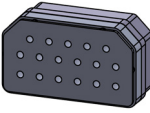
C	(10)	10C3
QTY	Size	
7	20	
3	11 C	



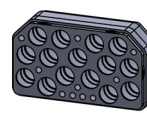
(13)	13
QTY	Size
13	16



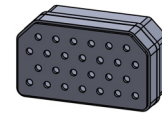
Q	T	(14)	14T3Q3
QTY	Size		
8	20		
3	8 T		
3	8 Q		



(17)	17
QTY	Size
17	20



T	(25)	25C15
QTY	Size	
10	22	
15	12 T	



C	(26)	26
QTY	Size	
26	16 or 15 C	

Notes:

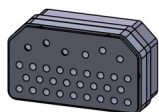
1. Mating face of pin insert shown. Socket face is mirror image.
2. Some arrangements are not available in all series. Consult Amphenol for more information.
3. Insert 106 has reversed contact gender.
4. For military version, consult Amphenol Canada Corporation.

C COAX

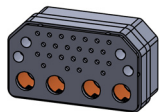
T TWINAX OR TRIAX

F FIBER

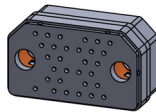
Q QUADRAX



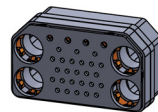
(32)	32
QTY	Size
29	20
3	16



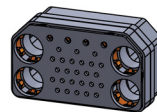
C	(32)	32C4
	QTY	Size
	24	20
	4	16
	4	9 C



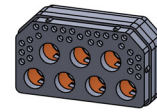
C	(32)	32C2
	QTY	Size
	30	20
	2	5 C



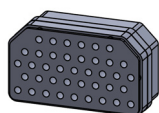
C	(33)	33C4
	QTY	Size
	25	20
	4	16
	4	5 C



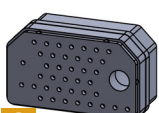
Q F	(33)	33Q4F4
	QTY	Size
	25	20
	4	16 F
	4	8 Q



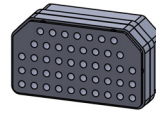
C	(36)	36C7
	QTY	Size
	29	22
	7	5 C



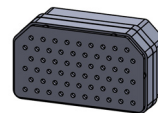
(40)	40
QTY	Size
40	20



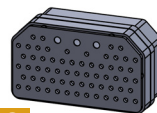
C	(40)	40C1
	QTY	Size
	39	20
	1	5 C



(45)	45
QTY	Size
45	20



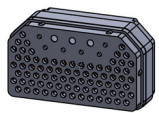
(57)	57
QTY	Size
57	20



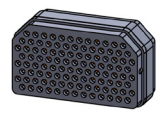
C	(67)	67
	QTY	Size
	64	20
	3	16 or 15 C



F	(73)	71F2
	QTY	Size
	67	20
	4	16
	2	16 F



(88)	88
QTY	Size
79	22
6	20
3	16



(106)	106
QTY	Size
106	22

C COAX

T TWINAX OR TRIAX

F FIBER

Q QUADRAX

Insert Layout Designator

ARINC 404

Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
001	26P	–	–	–
002	26S	–	–	–
003	26P	26P	–	–
004	26S	26S	–	–
005	26P	26P	26P	–
006	26S	26S	26S	–
007	26P	26P	26P	26P
008	26S	26S	26S	26S
009	40P	–	–	–
010	40S	–	–	–
011	40P	40P	–	–
013	40P	40P	40P	–
014	40S	40S	40S	–
015	40P	40P	40P	40P
016	40S	40S	40S	40S
017	45P	–	–	–
018	45S	–	–	–
019	45P	45P	–	–
020	45S	45S	–	–
021	45P	45P	45P	–
022	45S	45S	45S	–
023	45P	45P	45P	45P
024	45S	45S	45S	45S
025	57P	–	–	–
026	57S	–	–	–
027	57P	57P	–	–
028	57S	57S	–	–
029	57P	57P	57P	–
030	57S	57S	57S	–
031	57P	57P	57P	57P
032	57S	57S	57S	57S
033	67P	–	–	–
034	67S	–	–	–
035	67P	67P	–	–
036	67S	67S	–	–
037	67P	67P	67P	–
038	67S	67S	67S	–
039	67P	67P	67P	67P
040	67S	67S	67S	67S
041	106P	–	–	–
042	106S	–	–	–

Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
043	106P	106P	–	–
044	106S	106S	–	–
045	106P	106P	106P	–
046	106S	106S	106S	–
047	106P	106P	106P	106P
048	106S	106S	106S	106S
057	106S	26P	–	–
058	106P	26S	–	–
059	26P	106S	–	–
060	26S	106P	–	–
061	26P	26P	26P	26S
062	26S	26S	26S	26P
063	10C3P	10C3P	C8P	67P
064	10C3S	10C3S	C8S	67S
065	C8P	C8P	C8P	–
066	C8S	C8S	C8S	–
067	C8P	C8P	106S	–
068	C8S	C8S	106P	–
069	C8P	33C4P	–	–
070	C8S	33C4S	–	–
071	67P	106S	–	–
072	67S	106P	–	–
073	67P	67P	C8P	–
074	67S	67S	C8S	–
075	67P	67P	106S	–
076	67S	67S	106P	–
077	67P	106S	33C4P	–
078	67S	106P	33C4S	–
079	67P	106S	67P	–
080	67S	106P	67S	–
081	67P	67P	33C4P	33C4P
082	67S	67S	33C4S	33C4S
083	D8P	–	–	–
084	D8S	–	–	–
085	C8P	C8P	67P	67P
086	C8S	C8S	67S	67S
087	106S	C8P	–	–
088	106P	C8S	–	–
089	106S	67P	–	–
090	106P	67S	–	–
091	106S	106S	67P	–



Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
092	106P	106P	67S	–
093	106S	106S	33C4P	–
094	106P	106P	33C4S	–
095	106S	C8P	106S	106S
096	106P	C8S	106P	106P
097	106S	67P	106S	C8P
098	106P	67S	106P	C8S
099	106S	67P	C8P	C8P
100	106P	67S	C8S	C8S
101	106S	106S	67P	67P
102	106P	106P	67S	67S
103	33C4P	–	–	–
104	33C4S	–	–	–
105	33C4P	106S	–	–
106	33C4S	106P	–	–
107	33C4P	C8P	–	–
108	33C4S	C8S	–	–
109	C2P	40C1P	–	–
110	C2S	40C1S	–	–
111	C2P	57P	–	–
112	C2S	57S	–	–
113	C3P	67P	–	–
114	C3S	67S	–	–
115	C3P	106S	–	–
116	C3S	106P	–	–
117	C3P	106S	–	–
118	C3S	106P	–	–
119	10C3P	32C2P	–	–
120	10C3S	32C2S	–	–
121	32C2P	40C1P	–	–
122	32C2S	40C1S	–	–
123	32C2P	45P	–	–
124	32C2S	45S	–	–
125	32C2P	57P	–	–
126	32C2S	57S	–	–
127	32C2P	67P	–	–
128	32C2S	67S	–	–
129	32C2P	106S	–	–
130	32C2S	106P	–	–
131	40C1P	40C1P	–	–
132	40C1S	40C1S	–	–



Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
133	57P	106S	–	–
134	57S	106P	–	–
135	C8P	–	–	–
136	C8S	–	–	–
137	10C3P	–	–	–
138	10C3S	–	–	–
139	32C2P	–	–	–
140	32C2S	–	–	–
141	40C1P	–	–	–
142	40C1S	–	–	–
143	67C3P	–	–	–
144	67C3S	–	–	–
145	C8P	57P	–	–
146	C8S	57S	–	–
147	57P	26P	–	–
148	57S	26S	–	–
149	32C4P	–	–	–
150	32C4S	–	–	–
151	32C4P	106S	–	–
152	32C4S	106P	–	–
153	67C3P	67C3P	32C4P	32C4P
154	67C3S	67C3S	32C4S	32C4S
155	C8P	32C4P	–	–
156	C8S	32C4S	–	–
157	106S	106S	32C4P	–
158	106P	106P	32C4S	–
159	32C4P	C8P	–	–
160	32C4S	C8S	–	–
161	67C3P	106S	32C4P	–
162	67C3S	106P	32C4S	–
163	C8P	C8P	–	–
164	26P	26P	–	–
165	C8P	26P	–	–
166	C8S	26S	–	–
167	C7AAP	26P	–	–
168	C7AAS	26S	–	–
170	57S	32C2S	–	–
171	57P	32C2P	–	–
173	106P	106P	106P	67S
174	106S	106S	106S	67P
175	106S	106S	32C4P	26P

Insert Layout Designator

ARINC 404

Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
176	106P	106P	32C4S	26S
177	C7AAP	26P	–	–
178	C7AAS	26S	–	–
180	32C4S	32C2S	–	–
181	32C4P	32C2P	–	–
182	106S	8S	–	–
183	106P	8P	–	–
184	C2S	67S	–	–
185	C2P	67P	–	–
186	106S	D8S	A10S	–
187	106P	D8P	A10P	–
188	106S	D8S	–	–
189	106P	D8P	–	–
190	A10S	D8S	–	–
191	A10P	D8P	–	–
192	67S	8S	7S	–
193	67P	8P	7P	–
194	C7AAS	A10S	106S	–
195	C7AAP	A10P	106P	–
200	40S	26S	8S	C6S
201	40P	26P	5P	C6P
297	26P	32C4P	–	–
298	26S	32C4S	–	–
299	8P	8P	8P	8P
400	32C2S	32C2S	57S	–
401	32C2P	32C2P	57P	–
402	45S	33C4S	–	–
403	Q6S	67S	32C2S	–
499	3S	3S	–	–
500	C8P	C6P	–	–
501	C8S	C6S	–	–
502	C6P	C8P	–	–
503	C6S	C8S	–	–
504	106P	BLANK	106P	BLANK
505	26S	67S	–	–
506	26P	67P	–	–
507	C8P	106P	–	–
508	C8S	106S	–	–
509	18P	57P	–	–
510	18S	57S	–	–
511	8P	45P	–	–

Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
512	8S	45S	–	–
513	26P	67P	67P	–
514	26S	67S	67S	–
515	106P	C2S	–	–
516	106S	C2P	–	–
517	C8P	106P	106P	106P
518	C8S	106S	106S	106S
519	106P	106P	106P	26P
520	106S	106S	106S	26S
521	67S	67S	106P	106P
522	67P	67P	106S	106S
523	67P	26P	C3P	–
524	32C4P	32C4P	32C4P	–
525	67P	D8P	–	–
526	40S	32C4S	–	–
527	40P	32C4P	–	–
528	8P	17P	–	–
529	8S	17S	–	–
530	32C4P	106P	–	–
531	40S	D8S	–	–
532	67S	D8S	–	–
533	26P	45P	–	–
534	26S	57S	–	–
535	40S	57S	–	–
536	C8P	C8P	–	–
537	C8S	C8S	–	–
538	C2P	8P	–	–
539	106S	106S	C8P	–
540	106P	106P	C8S	–
541	106S	106S	26P	–
542	8P	26P	–	–
543	45P	8P	–	–
544	45S	8S	–	–
545	DUMMY	67P	–	–
546	78S	C5P	–	–
547	106P	32C4S	32C4S	–
548	106S	32C4P	32C4P	–
549	33C4S	33C4S	–	–
550	32C4P	32C4P	–	–
551	C8P	C6P	–	–
552	C8S	C6S	–	–

A	B		D						
40S	32C2S	-	-						
40P	32C2P	-	-						
32C4P	45P	-	-						
C8S	67S	-	-						
32C4S	45S	-	-						
C12	-	-	-						
106S	106S	106P	-						
32C2P	26P	-	-						
32C2S	26S	-	-						
40C1S	40C1S	-	-						
8P	26P	67P	67P						
57S	C2S	-	-						
8S	26S	67S	67S						
40S	C8S	-	-						
32C2S	26S	-	-						
106P	106P	106S	-						
106P	91C1P	-	-						
106S	91C1S	-	-						
DUMMY	DUMMY	-	-						
8S	-	-	-						
C2S	C2S	57S	D8S						
C2P	C2P	57P	D8P						
33C4P	40C1P	-	-						
BLANK	57P	-	-						
57S	C8S	-	-						
57P	C8P	-	-						
C8S	DUMMY	-	-						
26S	C8S	-	-						
26P	C8P	-	-						
67S	C8S	-	-						
67P	C8P	-	-						
A10S	67S	-	-						
106S	40C1P	-	-						
106P	D8S	67S	67S						
36C7S	36C7S	-	-						
30C4P	106S	-	-						
C6P	C6P	40P							
C8S	106P	-	-						
C6S	C6S	40S	-						
106P	57P	106P	-						
26P	57P	57P	-						

Insert Layout Designator

ARINC 404

Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
636	106S	C8S	–	–
637	106P	C8P	–	–
638	26S	32C2S	–	–
639	26P	32C2P	–	–
640	D8S	32C4S	–	–
641	D8P	32C4P	–	–
642	40C1S	67S	–	–
643	40C1P	67P	–	–
644	32S	32S	–	–
645	32P	32P	–	–
646	30C4P	36W7S	–	–
647	32C4S	32C4S	32C4S	–
648	67P	32C2P	–	–
649	Special			
650	Special			
651	45S	45S	26S	26S
652	45P	45P	26P	26P
653	106P	106P	57S	–
654	106S	106S	57P	–
655	36C7S	106S	–	–
656	33C4P	67P	–	–
657	33C4S	67S	–	–
658	106P	40S	–	–
659	26P	57P	–	–
660	36C7S	31C4S	–	–
661	26S	45S	–	–
662	67P	67S	32C2P	–
663	67S	67P	32C2S	–
664	45S	106P	–	–
665	67P	106P	32C2S	–
666	67S	106S	32C2P	–
667	57S	45S	–	–
668	57P	C1	–	–
669	88P	106P	106P	–
670	88S	106S	106S	–
671	C3P	26P	67P	–
672	33C4S	D8S	–	–
673	33C4P	D8P	–	–
674	C2P	C2P	C2P	C2P
675	36C7P	32C4P	–	–
676	26S	26S	106P	106P

Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
677	33C4P	40C1P	–	–
678	106P	26S	C8S	–
679	106P	106P	26S	–
680	13S		–	–
681	57P	C5P	–	–
682	57S	C5S	–	–
683	106S	36C7S	–	–
684	8P	8P	17P	–
685	8S	8S	17S	–
686	32C4P	40P	–	–
687	32C4S	40S	–	–
688	17P	C3P	C3P	C3P
689	17S	C3S	C3S	C3S
690	45S	45S	26S	26S
691	45P	45P	26P	26P
692	C8S	C8S	–	–
693	32S		–	–
694	DUMMY	57S	–	–
695	DUMMY	67S	–	–
696	26S	8S	–	–
697	C2S	57S	–	–
698	45S	40S	–	–
699	26S	BLANK	106P	BLANK
700	32C4PF/R	106S FR	–	–
701	67P	106S	106S	–
702	67S	106P	106P	–
703	8S	26S	–	–
704	8P	8P	57P	–
705	8S	8S	57S	–
706	57S	BLANK	–	–
707	67P	8P	–	–
708	67S	8S	–	–
709	67S	67S	C8S	BLANK
710	26P	7P	–	–
711	32C2P	32C2P	–	–
712	32C2S	32C2S	–	–
713				
714	40S	67S	67S	–
715	40P	67P	67P	–
716	106S	106S	36W7S	–
717	106P	106P	67P	67P



Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
718	106S	106S	67S	67S
719	67P	67P	26P	C8P
720	67S	67S	26S	C8S
721	106P	106P	67P	26P
722	106S	106S	67S	26S
723	106P	67P	67P	67P
724	106S	67S	67S	67S
725	25C15S	73Q1S	–	–
726	25C15P	73Q1P	–	–
727	106P	25C15S	106S	–
728	106S	25C15P	106P	–
729	36W7S	106P	–	–
730	106P	36W7S	–	–
731	106P	32C4S	–	–
732	106S	32C4P	–	–
733	67S	36W7S	–	–
734	67P	36W7P	–	–
735	30C4S	106P	–	–
736	106S	40S	–	–
737	106P	40P	–	–
738	26S	26S	45S	45S
739	26P	26P	45P	45P
740	40S	106P	–	–
741	40P	106S	–	–
742	40S	26S	–	–
743	40P	26P	–	–
744	57P	106P	–	–
745	57S	106S	–	–
746	D8S	106S	106S	106S
747	D8P	106P	106P	106P
748	26P	DUMMY	–	–
749	26S	DUMMY	–	–
750	26S	40S	–	–
751	26P	40P	–	–
752	67P	36C7S	–	–
753	67S	36C7P	–	–
754	106P	67P	C8P	67P
755	106S	67S	C8S	67S
756	67P	C8P	8P	BLANK
757	67S	C8S	8S	BLANK



Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
758	26P	40C1P	–	–
759	26S	40C1S	–	–
760	32C2S	67S	32C2S	–
761	32C2P	67P	32C2P	–
762	106P	26P	–	–
763	106S	26S	–	–
764	33C4P	45P	–	–
765	33C4S	45S	–	–
766	33C4P	DUMMY	–	–
767	33C4S	DUMMY	–	–
768	26P	26P	26P	67P
769	26S	26S	26S	67S
770	57P	DUMMY	–	–
771	57S	DUMMY	–	–
772	32P		–	–
773	106P	DUMMY	–	–
774	106S	DUMMY	–	–
775	57P	57S	–	–
776	57S	57P	–	–
777				
778				
779	8P	D8P	–	–
780	8S	D8S	–	–
781	32P	57P	–	–
782	32S	57S	–	–
783	33C4P	33C4P	–	–
784	32C4P	D8P	–	–
785	32C4S	D8S	–	–
786	45P	106S	–	–
787	45S	106P	–	–
788	40S	8S	–	–
789	D8P	106S	–	–
790	D8S	106P	–	–
791	26S	106P	–	–
792	26P	106S	–	–
793	Q8P	Q8P	–	–
794	Q8S	Q8S	–	–
795	32C4P	26P	–	–
796	32C4P	C8S	33C4S	–
797	36W7P	36W7P	–	–

Insert Layout Designator

ARINC 404

Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
800	67P	67P	40P	–
801	67P	67P	67P	–
802	36W7P	106P	–	–
803	30C4P	106P	–	–
804	106P	22Q2S	–	–
805	106S	22Q2P	–	–
806	C2P	C2P	–	–
807	C2S	C2S	–	–
808	106P	36C7P	–	–
809	25T15	106P	–	–
810	67S	26S	C3S	–
811	36W7S	36W7S	–	–
812	106P	T8S	106P	–
813	106S	T8P	106S	–
814	C8P	C8P	36W7S	–
815	C8S	C8S	36W7P	–
816	DUMMY	33C4S	–	–
817	40P	57P	–	–
818	D8P	45P	–	–
819	D8S	45S	–	–
820	26P	26P	–	–
821	26S	26S	45S	–
824	106P	106S	–	–
825	67P	67S	–	–
826	106S	106P	–	–
827	67S	67P	–	–
828	8S	8S	26S	
829	8P	8P	26P	
830	106P	33C4S	----	----
831	106P	14T3Q3P		
832	106S	14T3Q3S		
833	106S	67S	32C4S	67P
834	67P	67S	106S	C8S
835	106P	106S	67S	67P
836	106P	106S	67S	26S
837	8S	8S	8S	----
838	8P	8P	8P	----
839	26P	32C4P	106P	
840	26S	32C4S	106S	
841	88S	88S	----	----
842	88P	88P	----	----

Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
843	67S	57S	–	–
844	67P	57P	–	–
845	106S	106P	67P	26P
846	106P	67P	32C4P	67S
847	67S	67P	106P	C8P
848	26S	106S	–	–
849	106S	106P	67P	67S
850	40P	45P	45P	–
851	106S	67P	67P	–
852	106S	40P	C8	–
853	106P	40S	C8	–
854	67P	106P	–	–
855	67S	106S	–	–
856	26P	106P	–	–
857	33C4P	67S	–	–
858	33C4S	67P	–	–
859	106S	33C4S	–	–
860	67S	33C4S	–	–
861	67P	33C4P	–	–
862	106P	45P	8P	–
863	8P	8P	–	–
864	32C4P	106P	–	–
865	32C4S	106S	–	–
866	C8P	57P	8P	–
867	26S	67S	–	–
868	33C4S	67S	–	–
869	57P	67P	–	–
870	106S	4F2C2P	–	–
871	106P	4F2C2S	–	–
872	8P	26P	40P	–
873	8S	26S	40S	–
876	57P	C5P	–	–
877	106S	34C2Q1S	–	–
878	106P	34C2Q1P	–	–
879	106S	33C2S	–	–
880	106P	33C2P	–	–
881	45S	40S	40S	45S
882	43C1S	43C1S	–	–
883	43C1P	43C1P	–	–
884	32C2P	106P	–	–
885	32C2S	106S	–	–



Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
886	45FS	106S	–	–
887	45FP	106P	–	–
888	106S	33C4P	106S	33C4P
889	106P	33C4S	106P	33C4S
890	106S	4F2C2S	106S	–
891	106P	4F2C2P	106P	–
892	73F6s	8Q6s	73F6s	8Q6s
893	73F6p	8Q6p	73F6p	8Q6p
894	26S	40S	–	–
895	33C4S	D8S	–	–
896	81C3S	–	–	–
897	40s	8s	26s	–
898	40S	67S	–	–
899	40P	67P	–	–
902	17s	–	–	–
903	17p	–	–	–
904	67P	106P	106P	106P
905	67S	106S	106S	106S
906	40P	36C7S	106S	–
907	106P	8P	–	–
908	13P	–	–	–
909	32C4P	D8S	–	–
910	32C4P	40P	26P	–
911	32C4S	40S	26S	–
912	40S	D8P	26S	–
913	40P	D8S	26P	–
914	57P	40P	–	–
915	57S	40S	–	–
916	17P	17P	–	–
917	17S	17S	–	–
918	26P	26P	32C4P	–
919	26S	26S	32C4S	–
920	32C4P	32C4P	26P	–
921	32C4S	32C4S	26S	–
922	D8P	D8P	40P	–
923	D8S	D8S	40S	–
924	C2P	–	–	–
925	32A	–	–	–
926	26P	67P	40P	–
927	8S	32C4S	–	–
928	8P	32C4P	–	–



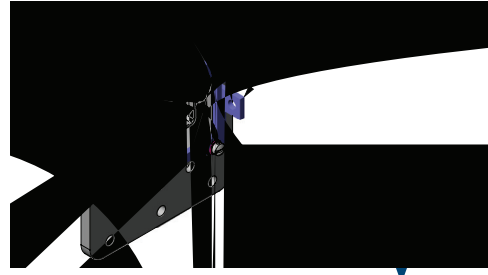
Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
929	106p	D8s	67s	8s
930	45S	26S	106S	–
931	45P	26P	106P	–
932	C8S	C8S	Dummy	–
933	C8P	C8P	Dummy	–
934	C8S	C8S	Dummy	67S
935	C8P	C8P	Dummy	67P
936	26S	26P	–	–
937	26P	26S	–	–
938	32C4S	32C4P	–	–
939	32C4P	32C4S	–	–
940	40p	8s	26p	–
941	C8S	106p	26s	–
942	C8P	106S	26P	–
943	26P	67P	C3P	67P
944	C3S	26S	67S	67S
945	26S	67S	40S	–
946	40C1P	40C1S	–	–
947	62F2P	–	–	–
948	62F2S	–	–	–
949	106s	84C3s	–	–
950	106s	106s	C6S	–
951	57s	57s	26p	–
952	57s	5F5s	–	–
953	57p	5F5p	–	–
954	106s	12Q4p	5F5p	–
955	106p	12Q4s	5F5s	–
956	32C4P	67P	17P	106P
957	32C4S	67S	17S	106S
958	26P	67P	17P	106P
959	26S	67S	17S	106S
960	106s	106s	106s	32Q2s
961	106p	106p	106p	32Q2p
962	106P	106P	6FQ	–
963	81C3P	–	–	–
964	A10S	–	–	–
965	A10P	–	–	–
966	Q6P	67P	32C2P	–
967	106P	C2	–	–
968	40C1P	42B2P	–	–
969	40C1S	42B2S	–	–

Insert Layout Designator

ARINC 404



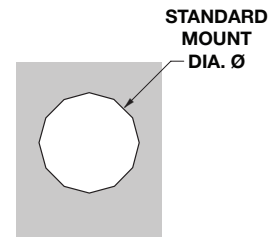
Insert Designator	Shell Cavity Insert Position			
	A	B	C	D
970	C8P	8P	–	–
971	40S	Q8S	40S	67P
972	40P	Q8P	40P	67S
973	12Q4P	–	–	–
974	32C4P	57P	–	–
975	32C4S	57S	–	–
976	33C4P	33Q3C1P	–	–
977	T8S	T8S	T8S	T8S
978	T8P	T8P	T8P	T8P
979	T8S	106S	Q8S	–
980	T8P	106P	Q8P	–
981	8P	36C7S	–	–
982	106S	32C2S	C8S	–
983	106P	32C2P	C8P	–
984	106S	32C4S	C8S	–
985	106P	32C4P	C8P	–
986	106S	26P	106S	3Q3P
987	106P	26S	106P	3Q3S
988	C8S	26P	26P	–
989	C8P	26S	26S	–
990	C8P	C8P	106S	106S
991	C8S	C8S	106P	106P
992	C8P	26P	–	–
993	C8S	26S	–	–
994	106P	14C7P	–	–
995	106S	14C7P	–	–
996	106P	45S	106P	–
997	106S	45P	106S	–
998	106P	67S	106P	67S
999	106S	33C4P	–	–
202	D8P	40P	67P	67P
M716	106P	106S	36W7S	–
059C	C26P	106S		
060C	C26S	106P		
716T	A106P	A106S	36T7	
683T	A106S	36T7		
1000	36C7S	36C7S	Dummy	



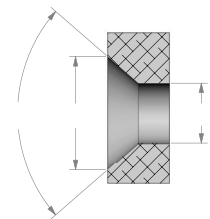
STANDARD MOUNTING													
	Shell Sizes	No. of Thru Holes	Location	Dia. Ø +/- .003 (.076)	No. of C'Sunk Holes	Location	Minor Dia. Ø +/- .003 (.076)	C'Sunk Angle °	to Major Dia. Ø +/- .003 (.076)	PLATING			
				In (mm)			In (mm)	Deg	In (mm)	Yellow Cadmium	Electroless Nickel	Olive Drab	Nickel-PTFE/ Durmalon™
RECEPTACLE	ALL	ALL	Corners	0.12 (3.05)	-	-	-	-	-	00	AA	DA	NA
PLUG	A		Corners		-	-	-	-	-				
	B, 2	2	Middle		4	Corners	-	-	-				
	3	-	-		6	ALL	0.12 (3.05)	82	0.23 (5.84)				
	4	0	-		10								
STANDARD MOUNTING WITH ATTACHING TABS													
RECEPTACLE	ALL	ALL	Corners	0.12 (3.05)	-	-	-	-	-	02	AC	DC	NC
PLUG	A		Corners		-	-	-	-	-				
	B, 2	2	Middle		4	Corners	-	-	-				
	3	-	-		6	ALL	0.12 (3.05)	82	0.23 (5.84)				
	4	0	-		10								



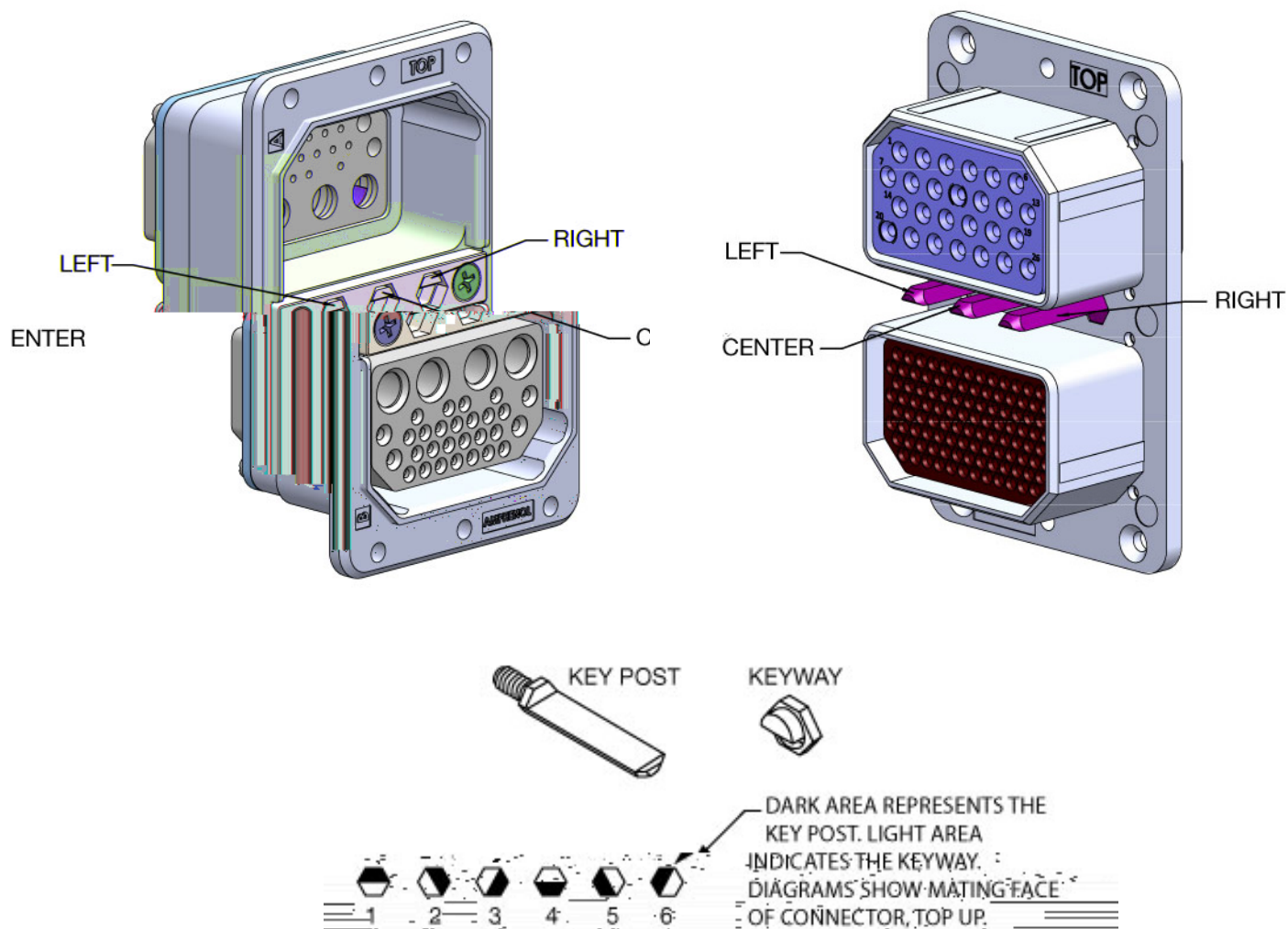
MOUNTING HOLE MODIFICATIONS							
Shell Sizes	No. of Thru Holes	Location	Dia. Ø	PLATING			
			In (mm)	Yellow Cadmium	Electroless Nickel	Olive Drab	Nickel-PTFE/ Duralon™
ALL	4	Corners	0.154 (3.91)	25	AR	DR	NR
B, 2, 3	6	ALL	0.154 (3.91)	20	AM	DM	NM
4		Corners & Middle					



COUNTER SUNK MOUNTING HOLES									
Shell Sizes	No. of C'Sunk Holes	Location	Minor Dia. Ø +/- .003 (.076)	C' Sunk Angle °	to Major Dia. Ø +/- .003 (.076)	PLATING			
			In (mm)	Deg	In (mm)	Yellow Cadmium	Electroless Nickel	Olive Drab	Nickel-PTFE/Duralon™
ALL	4	Corners	0.12 (3.05)	100	0.23 (5.84)	03	AD	DD	ND
			0.135 (3.43)	82		08	AF	DF	NF
			0.12 (3.05)	82		26	AS	DS	NS
B, 2, 3, 4	ALL	ALL	0.120 (3.05)	100		A3	A1	D1	N1
COUNTER SUNK MOUNTING HOLES WITH ATTACHING TABS									
ALL	4	Corners	0.120 (3.05)	100	.230 (5.48)	04	AE	DE	NE
4	6	Corners & Middle		90	0.26 (6.60)	74	A2	D2	N2



[illegible]

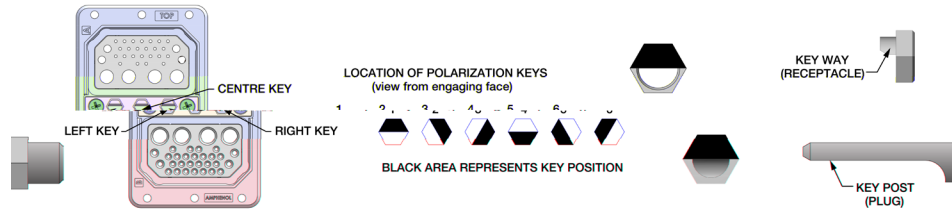


KEYING COMPONENTS			
Key post kit	3 Posts, 3 Nuts (for plug)		AC-040020-P01
Keyway kit	3 Keyways, 1 plate, 2 screws	Size A, B, 2 & 3	AC-040020-K01
Keyway kit	3 Keyways, 1 plate, 2 screws	Size 4	AC-040020-K03

- NOTES:
1. If polarizing position code is (- -), posts and keys will not be installed, but supplied with connector.
 2. If the last two digits are designated 00, it means that polarizing posts are not supplied.
- See pages 18-20 for polarizing positions.

Polarizing Positions

ARINC 404



1.	2.	3.	4.	5.	6.	7.	8.	9.
RoHS Compliance	Connector Series	Shell Style	Class	Insert Layout Designator	Shell Type	Connector Mounting Modifier	Polarizing Position	Modification (Contact, Finish, Material)
E	AR	2	A	-313	3	00	01	FO

Code Part #	Receptacle Shell			Plug Shell		
	Left Post	Center Post	Right Post	Left Post	Center Post	Right Post
00	-	-	-	-	-	-
01	4	4	4	1	1	1
02	4	4	3	2	1	1
03	4	4	2	3	1	1
04	4	4	1	4	1	1
05	4	4	6	5	1	1
06	4	4	5	6	1	1
07	5	4	4	1	1	6
08	5	4	3	2	1	6
09	5	4	2	3	1	6
10	5	4	1	4	1	6
11	5	4	6	5	1	6
12	5	4	5	6	1	6
13	6	4	4	1	1	5
14	6	4	3	2	1	5
15	6	4	2	3	1	5
16	6	4	1	4	1	5
17	6	4	6	5	1	5
18	6	4	5	6	1	5
19	1	4	4	1	1	4
20	1	4	3	2	1	4
21	1	4	2	3	1	4
22	1	4	1	4	1	4
23	1	4	6	5	1	4
24	1	4	5	6	1	4
25	2	4	4	1	1	3
26	2	4	3	2	1	3
27	2	4	2	3	1	3
28	2	4	1	4	1	3
29	2	4	6	5	1	3
30	2	4	5	6	1	3
31	3	4	4	1	1	2
32	3	4	3	2	1	2
33	3	4	2	3	1	2
34	3	4	1	4	1	2
35	3	4	6	5	1	2
36	3	4	5	6	1	2
37	4	3	4	1	2	1
38	4	3	3	2	2	1
39	4	3	2	3	2	1
40	4	3	1	4	2	1
41	4	3	6	5	2	1
42	4	3	5	6	2	1
43	5	3	4	1	2	6
44	5	3	3	2	2	6
45	5	3	2	3	2	6
46	5	3	1	4	2	6
47	5	3	6	5	2	6
48	5	3	5	6	2	6
49	6	3	4	1	2	5

Code Part #	Receptacle Shell			Plug Shell		
	Left Post	Center Post	Right Post	Left Post	Center Post	Right Post
50	6	3	3	2	2	5
51	6	3	2	3	2	5
52	6	3	1	4	2	5
53	6	3	6	5	2	5
54	6	3	5	6	2	5
55	1	3	4	1	2	4
56	1	3	3	2	2	4
57	1	3	2	3	2	4
58	1	3	1	4	2	4
59	1	3	6	5	2	4
60	1	3	5	6	2	4
61	2	3	4	1	2	3
62	2	3	3	2	2	3
63	2	3	2	3	2	3
64	2	3	1	4	2	3
65	2	3	6	5	2	3
66	2	3	5	6	2	3
67	3	3	4	1	2	2
68	3	3	3	2	2	2
69	3	3	2	3	2	2
70	3	3	1	4	2	2
71	3	3	6	5	2	2
72	3	3	5	6	2	2
73	4	2	4	1	3	1
74	4	2	3	2	3	1
75	4	2	2	3	3	1
76	4	2	1	4	3	1
77	4	2	6	5	3	1
78	4	2	5	6	3	1
79	5	2	4	1	3	6
80	5	2	3	2	3	6
81	5	2	2	3	3	6
82	5	2	1	4	3	6
83	5	2	6	5	3	6
84	5	2	5	6	3	6
85	6	2	4	1	3	5
86	6	2	3	2	3	5
87	6	2	2	3	3	5
88	6	2	1	4	3	5
89	6	2	6	5	3	5
90	6	2	5	6	3	5
91	1	2	4	1	3	4
92	1	2	3	2	2	4
93	1	2	2	3	3	4
94	1	2	1	4	3	4
95	1	2	6	5	3	4
96	1	2	5	6	3	4
97	2	2	4	1	3	3
98	2	2	3	2	3	3
99	2	2	2	3	3	3

The following chart lists the polarizing positions of available keying positions.

See how to order procedure of page 3 for incorporation these polarizing positions into part numbers.

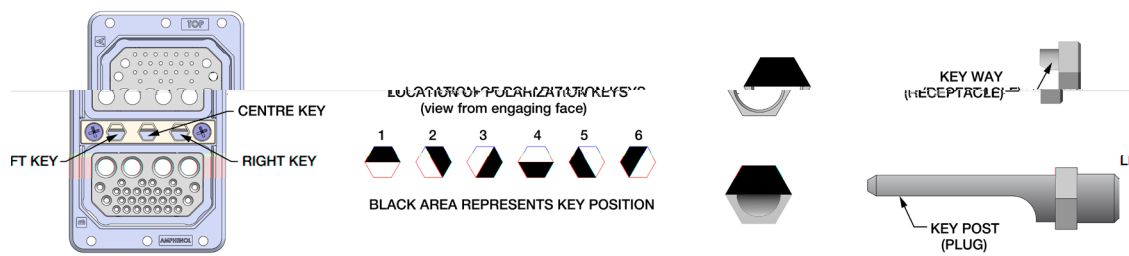


Part Number		Receptacle Shell			Plug Shell		
Code Part #	Refer #	Left Post	Center Post	Right Post	Left Post	Center Post	Right Post
A0	100	2	2	1	4	3	3
A1	101	2	2	6	5	3	3
A2	102	2	2	5	6	3	3
A3	103	3	2	4	1	3	2
A4	104	3	2	3	2	3	2
A5	105	3	2	2	3	3	2
A6	106	3	2	1	4	3	2
A7	107	3	2	6	5	3	2
A8	108	3	2	5	6	3	2
A9	109	4	1	4	1	4	1
B0	110	4	1	3	2	4	1
B1	111	4	1	2	3	4	1
B2	112	4	1	1	4	4	1
B3	113	4	1	6	5	4	1
B4	114	4	1	5	6	4	1
B5	115	5	1	4	1	4	6
B6	116	5	1	3	2	4	6
B7	117	5	1	2	3	4	6
B8	118	5	1	1	4	4	6
B9	119	5	1	6	5	4	6
C0	120	5	1	5	6	4	6
C1	121	6	1	4	1	4	5
C2	122	6	1	3	2	4	5
C3	123	6	1	2	3	4	5
C4	124	6	1	1	4	4	5
C5	125	6	1	6	5	4	5
C6	126	6	1	5	6	4	5
C7	127	1	1	4	1	4	4
C8	128	1	1	3	2	4	4
C9	129	1	1	2	3	4	4
D0	130	1	1	1	4	4	4
D1	131	1	1	6	5	4	4
D2	132	1	1	5	6	4	4
D3	133	2	1	4	1	4	3
D4	134	2	1	3	2	4	3
D5	135	2	1	2	3	4	3
D6	136	2	1	1	4	4	3
D7	137	2	1	6	5	4	3
D8	138	2	1	5	6	4	3
D9	139	3	1	4	1	4	2
E0	140	3	1	3	2	4	2
E1	141	3	1	2	3	4	2
E2	142	3	1	1	4	4	2
E3	143	3	1	6	5	4	2
E4	144	3	1	5	6	4	2
E5	145	4	6	4	1	5	1
E6	146	4	6	3	2	5	1
E7	147	4	6	2	3	5	1
E8	148	4	6	1	4	5	1
E9	149	4	6	6	5	5	1
F0	150	4	6	5	6	5	1



Part Number		Receptacle Shell			Plug Shell		
Code Part #	Refer #	Left Post	Center Post	Right Post	Left Post	Center Post	Right Post
F1	151	5	6	4	1	5	6
F2	152	5	6	3	2	5	6
F3	153	5	6	2	3	5	6
F4	154	5	6	1	4	5	6
F5	155	5	6	6	5	5	6
F6	156	5	6	5	6	5	6
F7	157	6	6	4	1	5	5
F8	158	6	6	3	2	5	5
F9	159	6	6	2	3	5	5
G0	160	6	6	1	4	5	5
G1	161	6	6	6	5	5	5
G2	162	6	6	5	6	5	5
G3	163	1	6	4	1	5	4
G4	164	1	6	3	2	5	4
G5	165	1	6	2	3	5	4
G6	166	1	6	1	4	5	4
G7	167	1	6	6	5	5	4
G8	168	1	6	5	6	5	4
G9	169	2	6	4	1	5	3
H0	170	2	6	3	2	5	3
H1	171	2	6	2	3	5	3
H2	172	2	6	1	4	5	3
H3	173	2	6	6	5	5	3
H4	174	2	6	5	6	5	3
H5	175	3	6	4	1	5	2
H6	176	3	6	3	2	5	2
H7	177	3	6	2	3	5	2
H8	178	3	6	1	4	5	2
H9	179	3	6	6	5	5	2
J0	180	3	6	5	5	5	2
J1	181	4	5	4	1	6	1
J2	182	4	5	3	2	6	1
J3	183	4	5	2	3	6	1
J4	184	4	5	1	4	6	1
J5	185	4	5	6	5	6	1
J6	186	4	5	5	6	6	1
J7	187	5	5	4	1	6	6
J8	188	5	5	3	2	6	6
J9	189	5	5	2	3	6	6
K0	190	5	5	1	4	6	6
K1	191	5	5	6	5	6	6
K2	192	5	5	5	6	6	6
K3	193	6	5	4	1	6	5
K4	194	6	5	3	2	6	5
K5	195	6	5	2	3	6	5
K6	196	6	5	1	4	6	5
K7	197	6	5	6	5	6	5
K8	198	6	5	5	6	6	5
K9	199	1	5	4	1	6	4
L0	200	1	5	3	2	6	4
L1	201	1	5	2	3	6	4

Polarizing Positions



Part Number		Receptacle Shell			Plug Shell		
Code Part #	Refer #	Left Post	Center Post	Right Post	Left Post	Center Post	Right Post
L2	202	1	5	1	4	6	4
L3	203	1	5	6	5	6	4
L4	204	1	5	5	6	6	4
L5	205	2	5	4	1	6	3
L6	206	2	5	3	2	6	3
L7	207	2	5	2	3	6	3
L8	208	2	5	1	4	6	3
L9	209	2	5	6	5	6	3
M0	210	2	5	5	6	6	3
M1	211	3	5	4	1	6	2
M2	212	3	5	3	2	6	2
M3	213	3	5	2	3	6	2
M4	214	3	5	1	4	6	2
M5	215	3	5	6	5	6	2
M6	216	3	5	5	6	6	2

The following chart lists the polarizing positions of available keying positions.

See how to order procedure of page 3 for incorporation these polarizing positions into part numbers.