

HOW TO ORDER HE308 SERIES CONNECTORS

1	2	3	4	5	6	7	8	9
HE308	07	T	1535	P	N	7	M	L
PREFIX	SHELL STYLE	CLASS	LAYOUT	CONTACT	POLARIZATION	FINISH	MANDATORY SUFFIX	MODIFIER

(military part number example)

STEP 1: SELECT SHELL STYLE, PLUG OR RECEPTACLE



STEP 2: SELECT CLASS

T = Environmental with accessory thread

STEP 3: SELECT LAYOUT

For listing by # of contacts, ⇨ see pages 188-191.

LAYOUT NUMBER	SERVICE RATING	CONTACTS										SPECIALS								
		TOTAL	22D	22M	22	20	16	12	12*	10	8*	8**	8 POWER	4	00					
9-22	I	2				2														
9-35	M	6	6																	
9-98	I	3				3														
11-02	I	2					2													
11-04	I	4				4														
11-05	I	5				5														
11-01	-	1							1											
11-35	M	13	13																	
11-98	I	6				6														
11-99	I	7				7														
13-04	I	4					4													
13-08	I	8				8														
13-26	M	8	6					2												
13-35	M	22	22																	
13-98	I	10				10														
15-04	I	4						4												
15-05	II	5					5													
15-15	I	15				14	1													
15-18	I	18				18														
15-19	I	19				19														
15-35	M	37	37																	
15-97	I	12				8	4													
17-02	M	39	38										1							
17-06	I	6						6												
17-08	II	8				8														
17-25	M	24	22							2										
17-26	I	26				26														
17-35	M	55	55																	
17-75	I	2											2							
17-99	I	23				21	2													
19-11	II	11					11													
19-18	M	18	14										4							
19-28	I	28				26	2													
19-32	I	32				32														
19-35	M	66	66																	
21-11	I	11						11												
21-16	II	16					16													
21-35	M	79	79																	
21-39	I	39				37	2													
21-41	I	41				41														
21-48	-	4																	4	
21-75	N	4											(See Note 4)							
21-79	II	19	17										(See Note 5)							
23-01	M	-	1																	1
23-21	II	21					21													
23-35	M	100	100																	
23-53	I	53				53														
23-55	I	55				55														
25-04	I	56				48	8													
25-07	M	99	97										2							
25-19	I	19						19												
25-24	I	24					12	12												
25-29	I	29					29													
25-35	M	128	128																	
25-37	I	37					37													
25-43	I	43				23	20													
25-46	I	46				40	4					2								
25-61	I	61				61														
25-44	M	8					4													4

* COAX ** TWINAX

(4) MS Connector 21-75 is supplied with four size-8 twinax contacts. Proprietary connector 21-75 is supplied with four size-8 coax contacts.

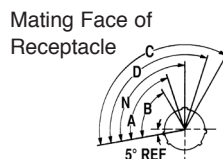
(5) MS connector 21-79 has provision for two size-8 coax contacts. Coax contacts are not supplied unless specified by customer.

STEP 4: SELECT CONTACT

P = Pin S = Socket

STEP 5: SELECT POLARIZATION

- N = Normal Standard
- A = Highly-Popular
- B = Limited Availability
- C = Check for Availability
- D = Check for Availability



Shell Size	N	A	B	C	D
9	95	77	-	-	113
11	95	81	67	123	109
13	95	75	63	127	115
15	95	74	61	129	116
17	95	77	65	125	113
19	95	77	65	125	113
21	95	77	65	125	113
23	95	80	69	121	110
25	95	80	69	121	110

STEP 6: SELECT SHELL FINISH

- 7 = Olive drab cadmium-plated
- 6 = Electroless nickel-plated

STEP 7: MANDATORY SUFFIX

M = Mandatory Suffix

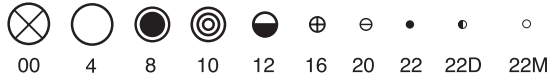
STEP 8: MODIFIER

Leave blank for connector delivered WITH contacts

L = Connector delivered WITHOUT contacts

LAYOUTS BY NUMBER OF CONTACTS

View of Mating-Face of Pin Insert



Drawing not to scale; mating face view of pin insert shown (socket view is opposite)

CONTACTS 1 2 3 4

LAYOUT # OF CONTACTS SERVICE RATING	11-12 1-#12 -	23-P1 (23-01) 1-#00 -	9-22 2-#20 I	11-2♦G 2-#16 I
		17-75 2-#8** I	9-98 3-#20 I	13-3P• 3-#16 II
		9-44 4-#22 M	11-4♦ 4-#20 I	

CONTACTS 4 5

LAYOUT # OF CONTACTS SERVICE RATING	13-4G 4-#16 I	15-4♦♦ 4-#12 I
	17-22♦♦ 2-#12* 2-#8* COAX	21-75♦G 4-#8** N
	21-48 4-#8 Power -	11-5♦ 5-#20 I
		15-5G 5-#16 II

CONTACTS 6 7 8

LAYOUT # OF CONTACTS SERVICE RATING	9-6 6-#22M M	9-35 6-#22D M	11-98 6-#20 I
		17-6 6-#12 I	23-6P•G 6-#8** M
		11-99 7-#20 I	13-8 8-#20 I
			13-26 6-#22D, 2-#12 M

CONTACTS 8 10 11

LAYOUT # OF CONTACTS SERVICE RATING	15-68♦♦ 8-#16 I	17-8G 8-#16 II	25-1A (24-44) 4-#16, 4-#4 M
		13-98 10-#20 I	19-11G 11-#16 II

*Coax **Twinax • NOT QPL'D ♦ Not Tooled for RP or 02RE P = Pin Insert Only S = Socket Insert Only G = Grounded Contact us for more information.

LAYOUTS BY NUMBER OF CONTACTS

View of Mating-Face of Pin Insert



Drawing not to scale; mating face view of pin insert shown (socket view is opposite)

CONTACTS	11	12				13	
LAYOUT # OF CONTACTS SERVICE RATING	21-11 ♦ G 11-#12 I	25-11 S ♦ 2-#20, 9-#10* N	15-97 8-#20, 4-#16 I	11-13 13-#22M M	11-35 13-#22D M	17-13 ♦ 13-#16 I	
CONTACTS	14	15	16	18			
LAYOUT # OF CONTACTS SERVICE RATING	23-14 ♦ 14-#12 I	15-15 14-#20, 1-#16 I	21-16 G 16-#16 II	15-18 18-#20 I	19-18 ♦ 14-#22D, 4-#8** M		
CONTACTS	18	19			21		
LAYOUT # OF CONTACTS SERVICE RATING	19-68 P ♦ 18-#16 I	15-19 ♦ 19-#20 I	21-79 ♦ 17-#22D, 2-#8* II	25-19 ♦ G 19-#12 I	23-21 G 21-#16 II		
CONTACTS	22	23	24		26		
LAYOUT # OF CONTACTS SERVICE RATING	13-22 22-#22M M	13-35 22-#22D M	17-99 21-#20, 2-#16 I	17-25 ♦♦* 22-#22D, 2-#8 M	25-24 G 12-#16, 12-#12 I	17-26 26-#20 I	

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LAYOUTS BY NUMBER OF CONTACTS

View of Mating-Face of Pin Insert



Drawing not to scale; mating face view of pin insert shown (socket view is opposite)

CONTACTS	28	29	30		32	36	37		39	41	42	43	46	53				
LAYOUT # OF CONTACTS SERVICE RATING	19-28 26-#20, 2-#16 I	25-29G 29-#16 I	19-30P• 29-#20, 1-#16 I	25-20♦ 10-#20, 13-#16, 4-#12*, 3-#8** I	19-32 32-#20 I	23-32P• 32-#20 I	23-36♦ 36-#20 I	15-35 37-#22D M	15-37 37-#22M M	25-37♦G 37-#16 I	17-2♦ 38-#22D, 1-#8** M	21-39 37-#20, 2-#16 I	21-41 41-#20 I	17-42• 42-#22 M	25-43♦ 23-#20, 20-#16 I	25-46♦ 40-#20, 4-#16, 2-#8** I	19-53P• 53-#22 M	23-53 53-#20 I

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LAYOUTS BY NUMBER OF CONTACTS

View of Mating-Face of Pin Insert



Drawing not to scale; mating face view of pin insert shown (socket view is opposite)

CONTACTS	55			56		61		
LAYOUT # OF CONTACTS SERVICE RATING	17-35 55-#22D M	17-55 55-#22M M	23-55 ♦ 55-#20 I	25-4 48-#20, 8-#16 I	25-61 61-#20 I			
CONTACTS	65		66		67		79	
LAYOUT # OF CONTACTS SERVICE RATING	21-2 ♦ 65-#22 M	19-35 66-#22D M	19-66 66-#22M M	19-67 P ♦ 67-#22M M	21-1 79-#22M M			
CONTACTS	79		85		99		100	
LAYOUT # OF CONTACTS SERVICE RATING	21-35 79-#22D M	23-2 85-#22 M	25-7 ♦ 97-#22D, 2-#8** M	23-1 100-#22M M				
CONTACTS	100			128				
LAYOUT # OF CONTACTS SERVICE RATING	23-35 100-#22D M	25-2 100-#22 M	25-1 128-#22M M	25-35 128-#22D M				

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