

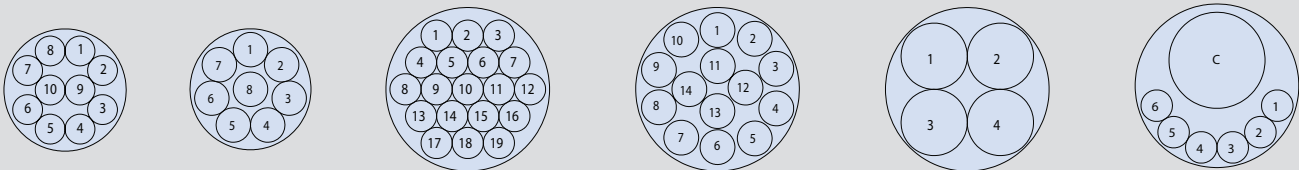
DOWNHOLE HTHP High Pressure/High Temperature Connectors



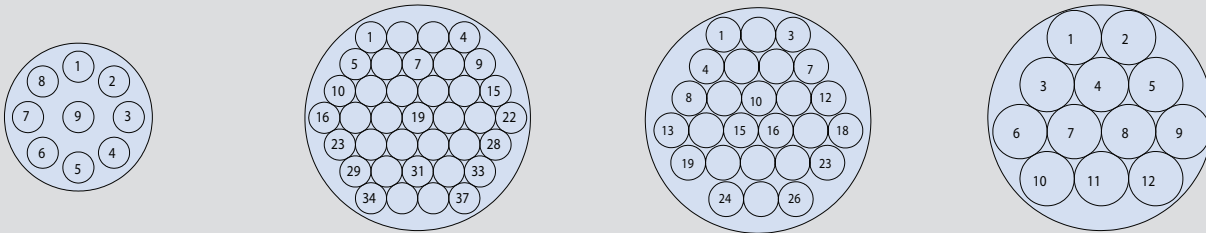
Feedthrus and penetrators
Glass sealed insert - contact arrangements

DOWNHOLE: HIGH PRESSURE/HIGH TEMPERATURE

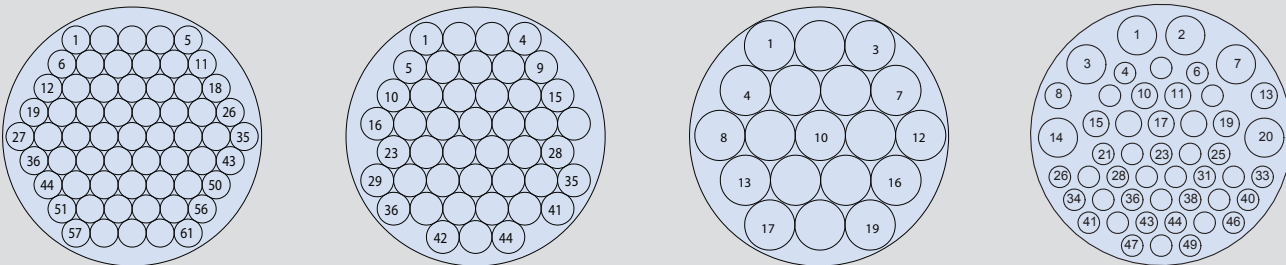
HTHP CONTACT ARRANGEMENTS Mating face view of pin insert (socket insert IDs are reversed)



Size G		Size K			
G10	G8	K19	K14	K4	KC6
10 Size #22 Contacts	8 Size #20 Contacts	19 Size #22 Contacts	14 Size #20 Contacts	4 Size #16 Contacts	Single 75 Ohm Coax, 6 #22 Contacts



Size L	Size M		
L9	M37	M26	M12
9 Size #16 Contacts	37 Size #22 Contacts	26 Size #20 Contacts	12 Size #16 Contacts



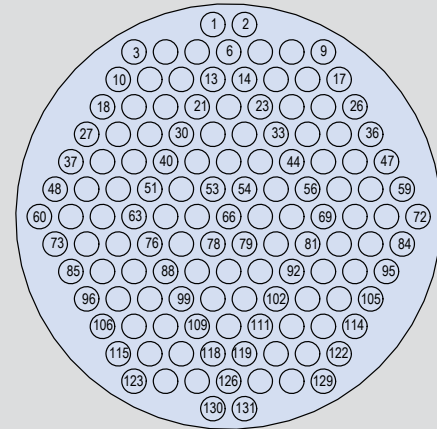
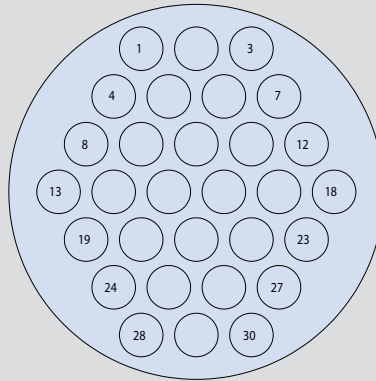
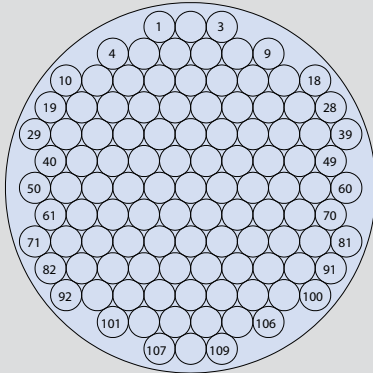
Size O			
O61	O44	O19	OX49
61 Size #22 Contacts	44 Size #20 Contacts	19 Size #16 Contacts	49 Contacts 6 #16 • 9 #20 • 34 #22

Consult factory for custom insert arrangements including a wide range of shielded RF microwave and high frequency contact configurations



Feedthrus and penetrators

Glass sealed insert - contact arrangements



Size Q		Size R
Q109	Q30	Q131
109 Size #22 Contacts	30 Size #16 Contacts	129 Size #22 Contacts

Consult factory for custom insert arrangements including a wide range of shielded RF microwave and high frequency contact configurations

All high-density signal and standard-density power contact arrangements are available across the complete range of connector styles (CCP, FCR, and BCR). High-speed Ethernet inserts as well as Pressure Balanced Oil Filled (PBOF) configurations and a purpose-designed family of pressure caps, accessories and backshells are also available, please consult the factory.

HTHP bulkhead connector receptacles (BCR) and flange connector receptacles (FCR) are equipped with high-pressure glass-to-metal sealed inserts with solder contact wire termination and 10K psi open-face rating. Cable connector plugs (CCP) utilize environmental O-ring sealed inserts and are rated to 10K psi in the mated condition.

Contact Arrangement Table				
Shell Size	Contact Size			
	#22	#20	#16	Hybrid
G	10	8		
K	19		4	One 75 Ohm Coax • Six #22
L			9	
M	37	26	12	
O	61	44	19	6 #16, 9 #20, 29 #22
Q	109		30	
R	129			
Current Rating (Amps)				
	3	5	10	

HTHP Performance Specifications		
Pressure Rating	Plug: 10,000 psi, mated condition Receptacles: 10,000 psi mated and open face	per ISO 13628-6
Electrical	600 V typical 5 GOhm insulation resistance at 500 VDC	per MIL-STD-202, Method 301 per MIL-STD-202, Method 302
Materials	Salt Spray (corrosion) Humidity (steady state) Thermal Cycle	MIL-STD-202, Method 101 MIL-STD-202, Method 103 ISO 13628-6

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