PLUGS AND JACKS

Connector bodies are molded of glass-filled thermoset compounds (will not melt) for high strength and dependability. The standard connectors will withstand ambient temperatures to 400°F continuous and 500°F intermittent. High temperature connectors will withstand ambient temperatures to 800°F continuous and 1000°F intermittent. Standard plugs are color coded per ANSI standards. High temperature plugs are color coded rust. High temperature connectors have nickel plated prongs; and therefore, are good for use in corrosive environments. Other high temperature plugs and jacks are made of ceramic material and can be color coded.

Alloys of prongs match ANSI calibrations to maintain sensing accuracy. Alloys and polarity are identified by symbols molded into the body.

#1	DESCRIPTION [6-18, 6-19]										
6A	Accessories plugs and jacks Note: Call JMS for high temp. vacuum applications and multi-pin connectors. Thermocouple plugs are normally two pin and RTD plugs are three pin. See page 6-4 for preferred RTD quick connectors.										
	#2 CONNECTOR DESIGN										
	1* 2 3* 4* 5 6* 7 8 9	Standard High tem Heavy du Heavy du Ultra high Low noise Ultra high High tem Locking	perature ity (solid p ity (jab-in temperat temperat perature ja	in) & solid pin ure (glaze ure (ungla ab in	<425°F <800°F <425°F) <425°F (Std d) <1200°F <425°F zed) <1200°F < 800 F < 425°F	size only)	*Add a W suffix to (Example: 1W=S) Locking Standar	to symbol Standard c rd Size	#2 for a write-on window connector. connector with write-on window.) Locking Mini Size		
	9 LOCKING < 425 F.										
		B D C E	Mini plug Mini jack Standard plug Standard jack								
			#4 # OF CIRCUITS								
			2 3*	2 2 pole *For thermocouples, 3 pole design will include a copper ground pin. 3* 3 pole (see 6A1C3J illustration below)							
				#5	TYPE	CODE					
Note: and 6- plug w	See pag 19 on the viring star	ge 6-17 e web for ndards.		J T K E S R N C *	Iron/Constantan Copper/Constantan Chromel/Alumel Chromel/Constantan Copper/#11 Alloy Copper/#11 Alloy Nicrosil/Nisil 405/A426 Copper/Copper (for t	type B and	Bla Blu Ye Gr Gr Or Bro RTDs) Wi	ack ue ellow urple reen reen range own hite	*Note: 2 pole will be Copper/ Copper for type B TCs. 3 pole will be plated copper for RTDs.		
I I I I 6A1C (MALE-PLUG)			I	I 6A1E2A (FEMALE-JACK) 6A4C2T (MALE-PI				3)	6A4E2T (FEMALE-JACK)		
6A1C3J (MALE-PLUG)				6A1B2K (MALE- MINI PLUG)				6A1D2J (FEMALE-MINI JACK)			
. ↓ _		- ↓	↓	↓							
6A	1W	С	2	J							

ADDITIONAL TERMINATIONS

COLD END TERMINATION [SEE SECTION 6] Choose as many as applicable (JMS part number prefixes are shown in parenthesis)										
Connectors										
BHCFWAWCBHJUVYQQ	Plugs Miniature plug (6A1B) Miniature high temperature plug (6A2B) <800°F Standard plug (6A1C) Standard high temperature plug (6A2C) <800°F Microphone style plug (6DA) Solid pin plug, heavy duty (6A3C) Jab in plug (6A4C) Ultra high temperature plug, glazed (6A5C) <1200°F Ultra high temperature plug, unglazed (6A7C) <1200°F Low noise plug (6A6C) <425°F DIN-IEC microphone plug (6DB) Molded/water resistant plug (6DC) M12 Male connector (6DY) Miniature locking plug (6A8E2) Standard plug, locking (6A8C2)	D DH E G WF WD WG WI WK WN VF F R WT	Jacks Miniature jack (6A1D) Miniature high temperature jack (6A2D) <800°F Standard jack (6A1E) Standard high temperature jack (6A2E) <800°F Microphone style jack (6DA) Solid pin jack, heavy duty (6A3E) Jab in jack (6A4E) Ultra high temperature jack, glazed (6A5E) <1200°F Ultra high temperature jack, unglazed (6A7E) <1200°F Low noise jack (6A6E) <425°F DIN-IEC microphone style jack (6DB) Molded/water resistant jack (6DC) M12 Female connector (6DY) Miniature locking jack (6A8E2)							
Heads	[6–1] Visit www.JMS-SE.com/headspecs									
I J U SI GA GS	Explosion Proof Aluminum, NEMA 4X, FM, CSA, IP68 (6IA) 316 stainless steel, NEMA 4X, FM, CSA, IP68 (6ISS) Aluminum, NEMA 4X, FM, CSA, ATEX, IECEx, IP68 (6IAIEC) 316 stainless steel, NEMA 4X, ATEX, IP68 (6ISSATEX) Cast Iron, NEMA 3, 4, UL, CSA (6I) Aluminum, screw cover w/ indicating window, NEMA 4X, ATEX, IECEx, FM, CSA, IP68 (688A1) 316SS, screw cover w/ indicating window, NEMA 4X, ATEX, IECEx, FM, CSA, IP68 (688S1)									
L M R S S B S D S C S T S U	General Purpose Aluminum w/ hinged cover (6L) Aluminum w/ screw cover & chain (6M) Aluminum w/ hinged high dome cover (6R) Cast Iron w/ screw cover (6N) Black plastic (6Q) 316 stainless steel w/ screw cover & chain (6SS) White plastic, screw cover, Sanitary (6WP) Nickel plated, cylinder style, 1/4" NPT (6S250) Nickel plated, cylinder style, 1/8" NPT (6S125) Stainless steel, socket cap style Molded plastic, mini head, 1/4" NPT, < 350F (6T)									
Transm	itters [8-1 to 8-3] • Add - Tran	span ra	nge after transmitter selection. Example: 8H(0-200C). output = 4 - 20 mA. (See section 8 for other options).							
8H 8N 8I 8E 8D 8M	Isolated transmitter 8PA Explosion proof, IP66/IP68, NEMA 4X, ATEX/IECEx, FM/CSA, Aluminum, threaded cap with glass viewing window, touch programmable [8-2] Hart Protocol 8PS Explosion proof, IP66/IP68, NEMA 4X, ATEX/IECEx, FM/CSA, Aluminum, threaded cap with glass viewing window, touch programmable [8-2] Intrinsically safe Explosion proof, IP66/IP68, NEMA 4X, ATEX/IECEx, FM/CSA, 316 SS, threaded cap with glass viewing window, touch programmable [8-2] Integral transmitter (see page 3-5) RTDs ONLY									
	Baro ondo									
A K RL O OA B GOPSGEBX	Spade lugs (6SL) Ring lugs (6RL) Open ceramic terminal block, brass screw terminal (6B) Open ceramic terminal block, nickel plated screw terminal (6BB) Open ceramic terminal block for sensors with bayonet style connection, brass screw terminal (6B or 6C) Ceramic terminal block, brass screw terminal (6G) Pluggable polymide terminal block, nickel plated screw terminal (6C) Open ceramic terminal block, nickel plated solder terminal (6C) Cord connector/grip, aluminum 1/2" NPT (6CC) Conduit bushing, ¾" NPT male X ½" NPT female, plated steel (6IRB) Other, specify									