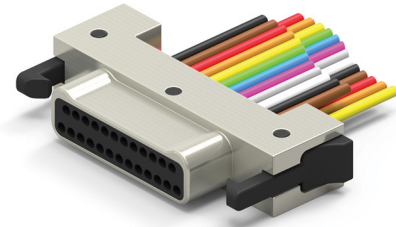


LATCHING WIRED CONNECTOR

- Metal Shell Connector w/Wire Leads
- Quick Disconnect Latch Mechanism
- Operating Temperature -50° C to 200° C
- 9 to 37 Contacts

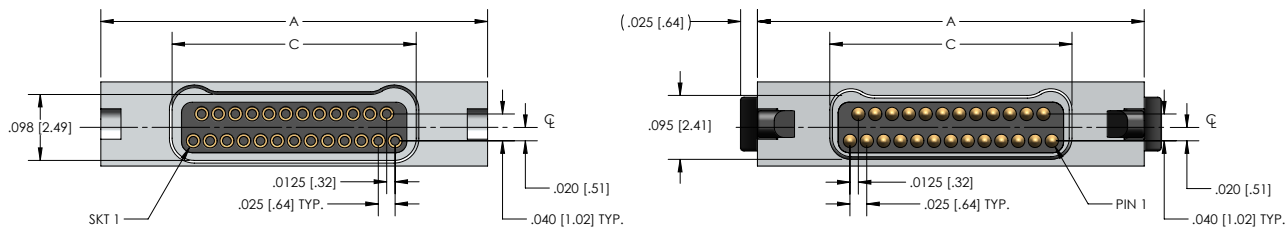
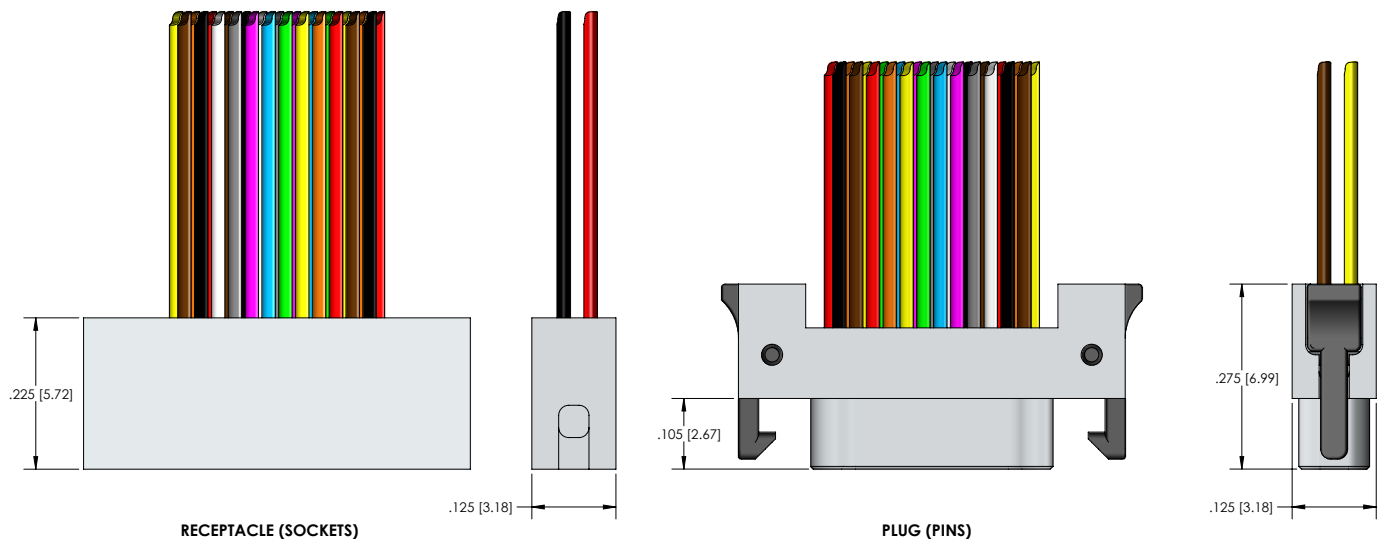


HOW TO ORDER

* Indicates preferred standard ** Consult factory for other plating options

N	M	L	25	2	P	Ø4	- 30	F	6	- 18	- SØ1		
	Series	Insulator	Contacts	Insulator Type	Contact Gender	Hardware	Wire Gauge	Wire Type	Color Code	Length	Finish**	Temp Range	
	N= Nano	M= Metal	L= LCP	Ø9	2= Dual Row	P= Male/Pin (Plug Side)	Ø4= Latch	3Ø*	C= Solid Wire, uninsulated	1= White	*18.Ø	Blank= Cadmium	*Blank = 125C
			15				32	*F= Stranded, w/Teflon insulation, per NEMA HP3-ET	3= Tin plated (6Ø/4Ø) (solid wire)	*36.Ø		HT = 200C	
			21		S= Female/Socket (Receptacle Side)		34	Y= Stranded w/Tefzel insulation, per SAE AS22759/33	4= Gold plated (RoHS) (solid wire)		*SØ1= Nickel		
			25					X= Stranded, per DSCC Ø4Ø47-3ØA (White, 3Ø AWG only)	*6 = 10 solid colors, repeating				
			31					T= Flat Integral Tail			SØ3 = Black Anodize		
			37										
											SØ9= Stainless		
													

DIMENSIONS



NM SERIES (DUAL ROW)			
Size	A	Plug C	Receptacle
9	.375 [9.52]	.160 [4.06]	.163 [4.14]
15	.450 [11.43]	.235 [5.97]	.238 [6.04]
21	.525 [13.33]	.310 [7.87]	.313 [7.95]
25	.575 [14.60]	.360 [9.14]	.363 [9.22]
31	.650 [16.51]	.435 [11.05]	.438 [11.12]
37	.725 [18.41]	.510 [12.95]	.513 [13.03]

NANO-D LATCHING WIRED

PERFORMANCE DATA

123-E	ELECTRICAL
CONTACT RESISTANCE:	.080 mΩ max.@ 1.0 A
CURRENT RATING (SIGNAL CONTACTS):	1.0 A max.
DIELECTRIC WITHSTANDING VOLTAGE:	250 VAC at sea level , 100 VAC at 70,000 ft.
INSULATION RESISTANCE:	5,000 MΩ min..

123-M	MECHANICAL
CONTACT ENGAGING FORCE:	5 oz max. (Contact average is 2 oz.)
CONTACT SEPARATING FORCE:	0.4 oz. min.
CONNECTOR MATING FORCE:	7 oz. x number of contacts max.
CONNECTOR UNMATING FORCE:	7 oz. x number of contacts max.
VIBRATION:	No damage or interruption detected (one microsecond sensitivity) EIA-364-28 Condition IV
SHOCK:	No damage or interruption detected (one microsecond sensitivity) EIA-364-28 Condition IV
DURABILITY:	No mechanical or electrical defects after 200 matings.
SALT SPRAY:	No exposure of base metal or loss of performance after 96 hours for both Nickel and Cadmium plating

MATERIALS AND FINISHES

149-M&F	MATERIALS AND FINISHES
Pin Contacts	Pins: BeCu alloy strip per ASTM—B—194
Socket Contacts	Brass Alloy C260 Per ASTM B135
Contact Plating	Gold plate per ASTM B488, or SAE AMS 2422
Metal Shells	Aluminum alloy per SAE-AMS-QQ-A-200/8, TYPE 6061-T6 with Electroless Nickel PLATING PER SAE-AMS2404, Class3 OR 4 Aluminum alloy per SAE-AMS-QQ-A-200/8, TYPE 6061-T6 with Cadmium Plating SAE-AMS-QQ-P-416, TYPE II, Class 1 Aluminum alloy per SAE-AMS-QQ-A-200/8, TYPE 6061-T6 with Black Anodize Plating per MIL-A-8625, TYPE III, Class 2 Stainless Steel per ASTM A582
Molded Full Metal Housing/ Lead Organizer	LCP (Liquid Crystal Polymer) GLCP-30F or PPS per MIL-M-24519 GST-40F
Hardware	Polyphenylene Sulfide (PPS), per MIL—M—24519 GST—40F, 40% Glass