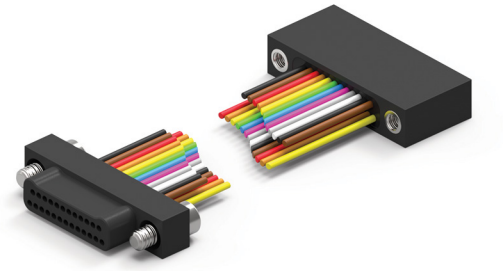
WIRED CONNECTOR

- Plastic Shell Connector w/Wire Leads
- Operating Temperature -50° C to 200° C
- 9 to 65 Contacts

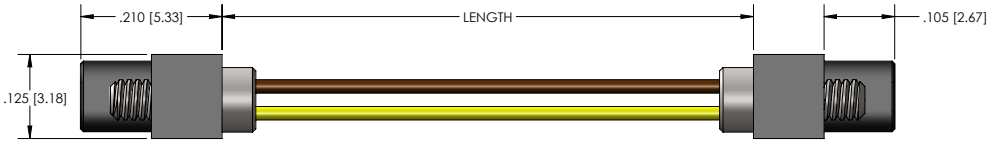


HOW TO ORDER

* Indicates preferred standard ** Consult factory for other options

N	P	L	25	– 2	P	Ø2	/NPLX-2XX – 3Ø		F		6 –	18.Ø
	Series	Insulator	Contacts	Insulator Type	Contact Gender	Hardware	Detail of Other End of the Harness	Wire Gauge	Wire Type**	Color Code	Length**	Temp Range
N= Nano	P= Plastic	L= LCP	Ø9	2= Dual Row	P=Male/Pin (Plug Side)	Ø No Hardware	Refer to the left columns for filling out the x	3Ø*	*F=Stranded, w/Teflon insulation, per NEMA HP3-ET	1=White	*18.Ø	*Blank = 125C
			15					32		*6 = 10 solid colors, repeating	*36.Ø	HT = 2ØØ°C
			21		S=Female/Socket (Receptacle Side)	Ø1=Phillips Head Jackscrew		34	Y=Stranded w/Tefzel insulation, per SAE AS22759/33			
			25									
			31			*Ø2=Allen Head Jackscrew			A=Stranded, per DSCC Ø4Ø47-3ØA (White, 3Ø AWG only)			
			37									
			51			Ø5=Slotted Head Jackscrew						
			65									
						Ø6=Floating Phillips Head Jackscrew (Female Only)						
												
						Ø7=Threaded Hole						
												
						Ø8=Floating Allen Head Jackscrew (Female Only)						
												
						Ø9=Floating Slotted Head Jackscrew (Female Only)						
												

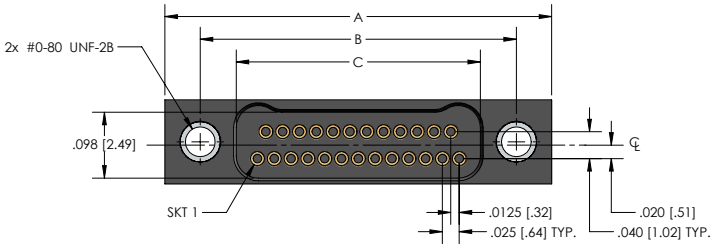
DIMENSIONS



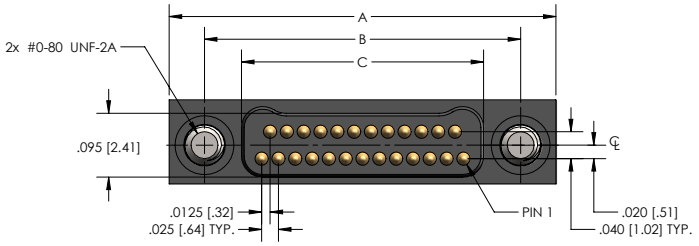
PLUG PLUG

PLUG RECEPTACLE

RECEPTACLE RECEPTACLE



RECEPTACLE (SOCKETS)



PLUG (PINS)

	NPL SERIES (DUAL ROW)			
Size	A	B	Plug C	Receptacle
9	.375 [9.52]	.270 [6.86]	.160 [4.06]	.163 [4.14]
15	.450 [11.43]	.345 [8.76]	.235 [5.97]	.238 [6.04]
21	.525 [13.33]	.420 [10.67]	.310 [7.87]	.313 [7.95]
25	.575 [14.60]	.470 [11.94]	.360 [9.14]	.363 [9.22]
31	.650 [16.51]	.545 [13.84]	.435 [11.05]	.438 [11.12]
37	.725 [18.41]	.620 [15.75]	.510 [12.95]	.513 [13.03]
51	.900 [22.86]	.795 [20.19]	.685 [17.40]	.688 [17.47]
65	1.075 [27.30]	.970 [24.64]	.860 [21.84]	.863 [21.92]

NANO-D WIRED SERIES PLASTIC PERFORMANCE DATA, MATERIALS AND FINISHES

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

126-M&F	MATERIALS AND FINISHES
Pin Contacts	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
Molded Full Plastic Housing:	LCP (Liquid Crystal Polymer) GLCP-30F or PPS Per MIL-M-24519 GST-40F
Hardware	Corrosion Resistant Steel per ASTM A 582/A582 or ASTM A 581/A581M, Passivated per SAE AMS–2700