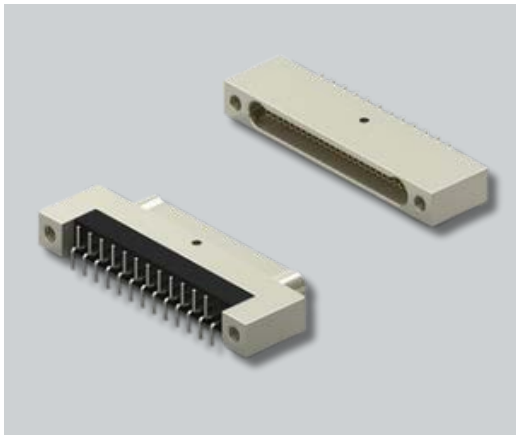


Vertical Single Row Surface Mount (Style 26) Connectors

Winchester Interconnect Micro offers Nano PCB Vertical Single Row Vertical SMT (Style 26) Connectors, designed for precision and durability in compact electronic assemblies. Featuring a metal shell with surface mount .025 x .075 (Style 26) and a 1-piece contact with rectangular flat tail termination, these connectors ensure superior soldering results without lead deformation. Operating from -55°C to 125°C, with high-temperature versions available up to 200°C (add HT), they deliver consistent performance in demanding environments.

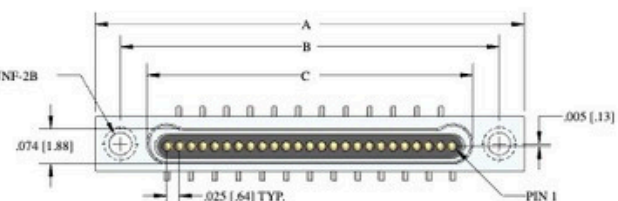
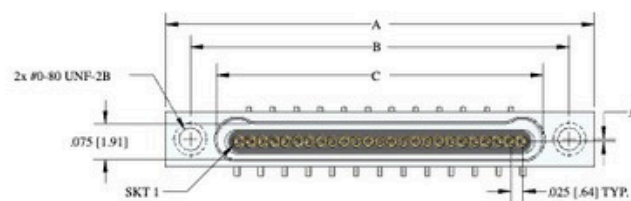


KEY FEATURES & BENEFITS

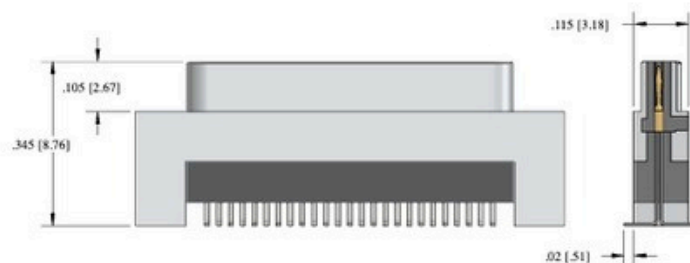
- Metal Shell Construction – Provides durability and EMI protection for critical applications.
- 1-Piece Contact Design – Ensures secure connection and consistent solder performance.
- Wide Temperature Range – Operates reliably from -55°C to 125°C; HT versions up to 200°C.
- High Electrical Performance – 33 mΩ max contact resistance (contact only), 1A max current rating.
- Dielectric Strength – Withstands 250 VAC at sea level and 100 VAC at 70,000 ft with 1mA leakage max.
- Flexible Configurations – Available with 9 to 51 contacts for a variety of PCB layouts.
- Ideal for Compact PCB Applications – Perfect for high-density designs requiring reliability and precision.

Nano PCB Vertical Single Row SMT (Style 26)

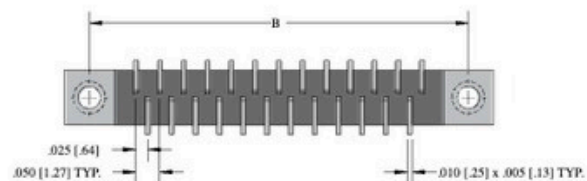
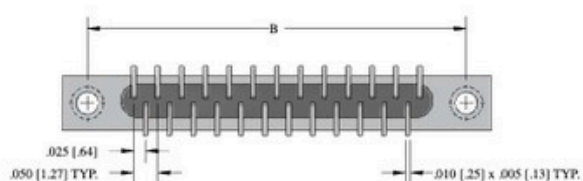
DIMENSIONAL



RECEPTACLE (SOCKETS)



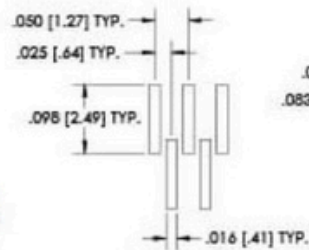
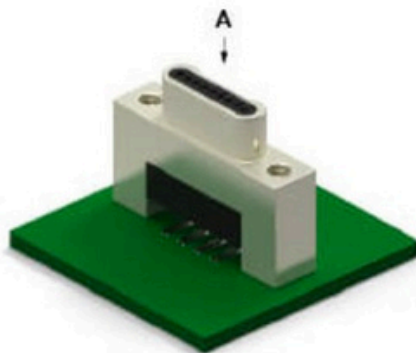
PLUG (PINS)



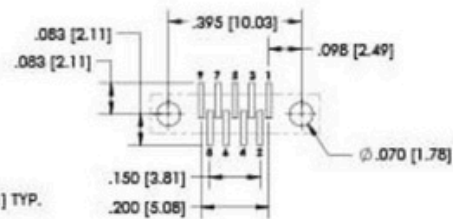
Size	A	B	C		D
			Receptacle	Plug	
9	.500 [12.70]	.395 [10.03]	.284 [7.21]	.285 [7.24]	.300 [7.62]
15	.650 [16.51]	.545 [13.84]	.434 [11.02]	.435 [11.05]	.450 [11.43]
21	.800 [20.32]	.695 [17.65]	.584 [14.83]	.585 [14.86]	.600 [15.24]
25	.900 [22.86]	.795 [20.19]	.684 [17.37]	.685 [17.40]	.700 [17.78]
31	1.050 [26.67]	.945 [24.00]	.834 [21.18]	.835 [21.21]	.850 [21.59]
37	1.200 [30.48]	1.095 [27.81]	.984 [24.99]	.985 [25.02]	1.000 [25.40]
51	1.550 [39.37]	1.445 [36.70]	1.334 [33.88]	1.335 [33.91]	1.350 [34.29]

Nano PCB Vertical Single Row SMT (Style 26)

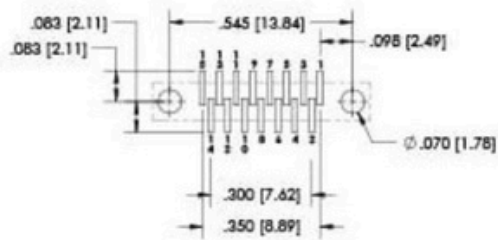
PCB – MALE



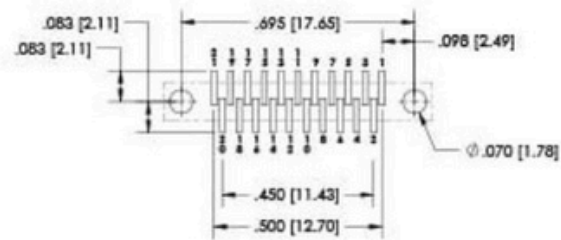
PAD DETAIL



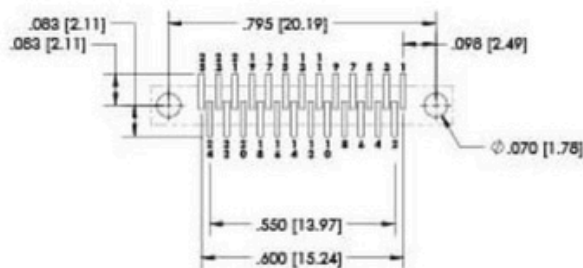
SIZE 9 - VIEW A



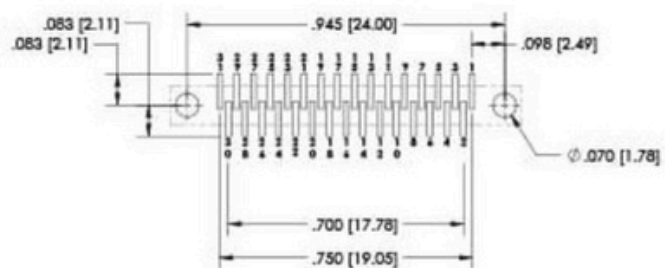
SIZE 15 - VIEW A



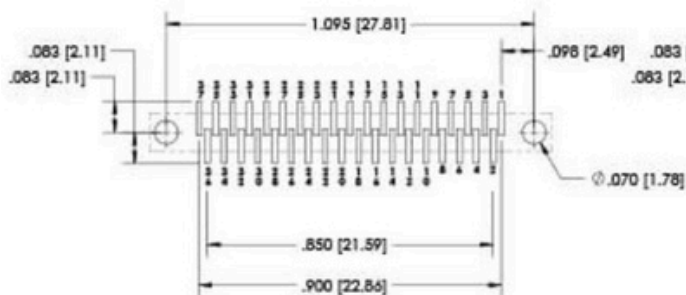
SIZE 21 - VIEW A



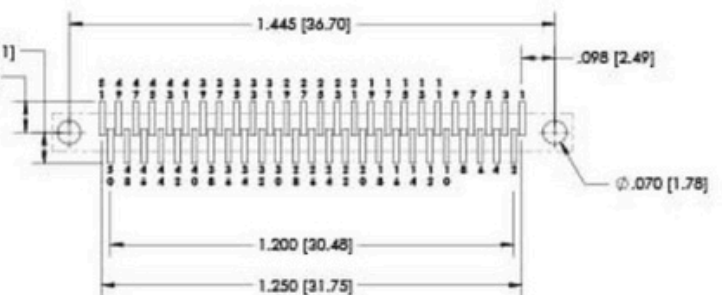
SIZE 25 - VIEW A



SIZE 31 - VIEW A



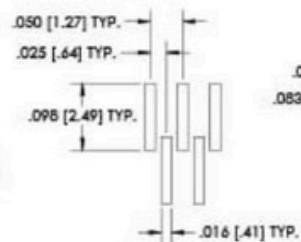
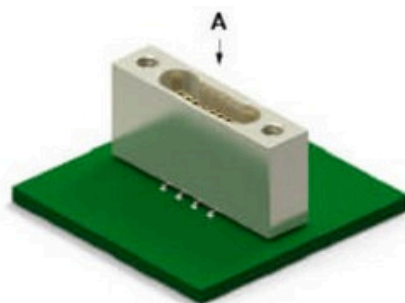
SIZE 37 - VIEW A



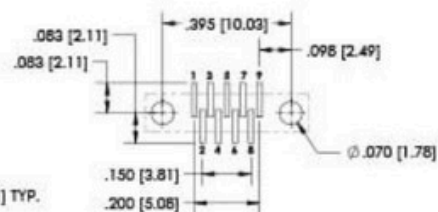
SIZE 51 - VIEW A

Nano PCB Vertical Single Row SMT (Style 26)

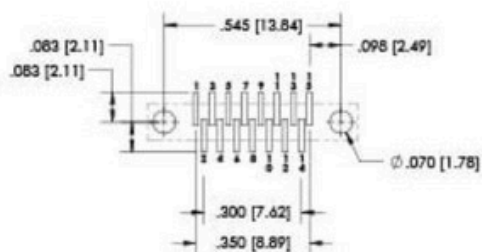
PCB – FEMALE



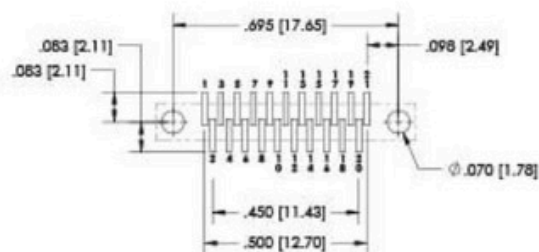
PAD DETAIL



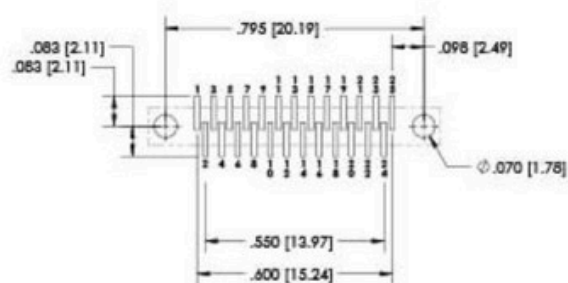
SIZE 9 - VIEW A



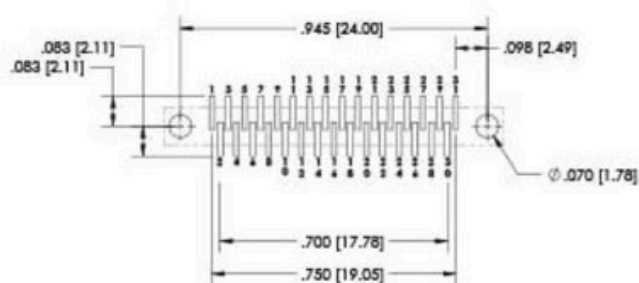
SIZE 15 - VIEW A



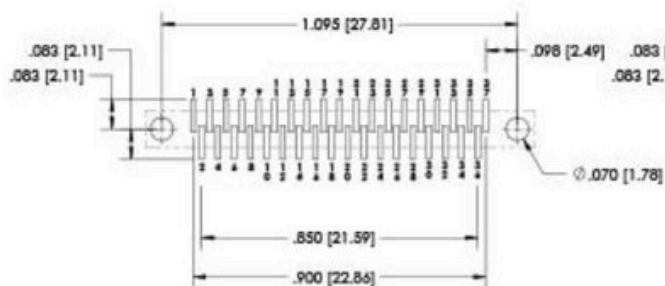
SIZE 21 - VIEW A



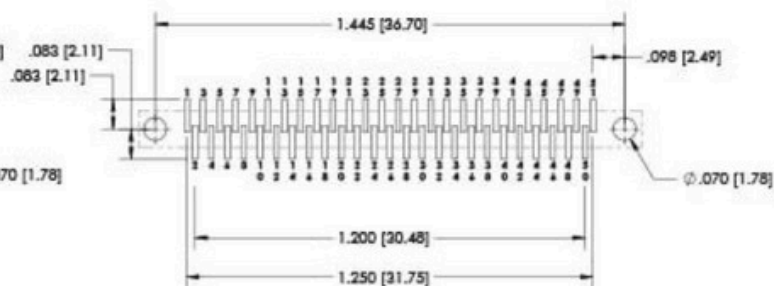
SIZE 25 - VIEW A



SIZE 31 - VIEW A



SIZE 37 - VIEW A



SIZE 51 - VIEW A

Nano PCB Vertical Single Row SMT (Style 26)

PERFORMANCE

Electrical Properties	
Contact Resistance	33 milliohm max contact only and 87 milliohms max with 6" wire @ 1A
Current Rating	1A max.
Dielectric WithStanding Voltage	250 VAC at sea level, 100 VAC at 70,000 feet. 1mA leakage current max.
Insulation Resistance	100 VDC and 5000 Megohms min.

Mechanical	
Engaging Force	5 oz max.
Separation Force	.4 oz min.
Mating/Unmating Force	7 oz x # of contacts max.
Vibration	EIA-364-28 Condition IV, 1 microsecond max discontinuity
Shock	EIA-364-27 Condition G, 1 microsecond max discontinuity
Durability	EIA-364-09, 200 matings, passes Mating Force, CR, Eng and Sep Forces
Salt Spray	EIA 364-26 Condition B-48 hours

Nano PCB Vertical Single Row SMT (Style 26)

HOW TO ORDER

Nano Circuit Series Engineering Number Definitions

Nano Circuit Series	CN	M	6	L	25	-	2	P	07	1	-	0.140	-	S01	-	HT	-	1	SPL
Shell Material																			Special designator - SPL is to be added to the end of the part number if the connector cannot be fully defined by the rest of the engineering number
M = Metal Shell P = Plastic Shell																			PCB Mounting Options (Style 8, 28, & 38 Only)
																			Blank = Threaded Mounting Holes
																			1 = Alignment Posts with Threaded Mounting Holes
																			2 = Clearance Mounting Holes
																			3 = Alignment Posts with Clearance Mounting Holes
																			4 = Solder Posts (Style 6, 8, 26, 28, 36, & 38)
Termination Style																			Temperature Rating (Omit for standard Temp, 125°C)
4 = Flex Circuit 6 = Vertical PC tails 8 = Right Angle PC Tails 26 = Vertical SMT 28 = Right Angle SMT 36 = Low Profile Vertical SMT (Male Only) 38 = Extended Profile RA SMT (Female Only)																			Blank = 125°C
																			HT = 200°C
																			LO = 4 Kelvin
Insulator Material																			Shell Plating or Material (Omit for plastic shell or cadmium plating)
L = LCP																			Blank = Cadmium
																			S01 = Electroless Nickel
																			S02 = Chem Film
																			S03 = Black Anodized
																			S04 = Gold
																			S05 = Titanium
																			S06 = Olive-Drab Cadmium
																			S07 = Black Nickel
																			S08 = Nickel-PTFE
																			S09 = Stainless Steel, Passivated
																			S10 = Zinc Nickel
Size (No. of Contacts)																			Lead Length (Style 6 and 8 Only)
09, 15, 21, 25, 31, 37, 51, 65, & 69																			Blank = 0.109
																			Other Lengths = 0.140 & 0.172
																			(Consult Factory for Additional Lengths)
Insulator Type																			Board Thickness (Style 4 Only)
1 = Single Row (Up to size 51) 2 = Dual Row																			Blank = .010
																			Other Panel Thicknesses 0.030 & 0.054
																			(Consult Factory for Additional Thicknesses)
Contact Type																			Lead Plating
P = Pin, Integral Flat Tail S = Socket, Integral Flat Tail																			1 = Tin/Lead (minimum 3% Lead) plated (Not RoHS Compliant) (Not Available with high temp (HT) connectors)
																			2 = Gold Plated (RoHS Compliant)
Mating Hardware																			
0 = No Hardware 01 = Phillips Head Jackscrews 02 = Hex Head Jackscrews 03 = Thumb Jackscrew 05 = Slotted Head Jackscrews 06 = Floating Phillips Head Jackscrews (Female Only) 07 = Threaded Hole 08 = Floating (Retractable) Hex Head Jackscrews (Female Only) 09 = Floating (Retractable) Slotted Head Jackscrews (Female Only)																			