



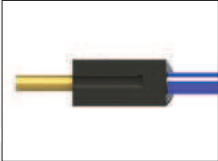


Single Row Nano Strip

PRE-WIRED/CABLE (TYPE WD/WC) ORDERING GUIDE

SERIES	# OF CONTACTS	TERMINATION TYPE	WIRE LENGTH	COLOR CODED	COMMON OPTIONS
NPS PIN CONNECTOR	02 - 60	WD DISCRETE WIRES	18.00 =18.00" STANDARD	C 10 REPEATING COLORS PER MIL-STD 681 	G GUIDE POST/HOLE GS MULTIPLE GUIDE POSTS/HOLES 
	02-40 (.050"THK BODY)	TW TWISTED WIRES	XX.XX CUSTOM LENGTH i.e. 23.40 =23.40"		Y ALL OTHER WIRE COLORS
NSS SOCKET CONNECTOR	41-60 (.060"THK BODY)	WC CABLE	32 AWG Standard/MAX	M MOUNTING HOLE 	HT HIGH TEMP
		WX MULTIPLE WIRE TYPES			

RoHS RoHS COMPLIANT



CS CUSTOMER SUPPLIED
MATERIAL

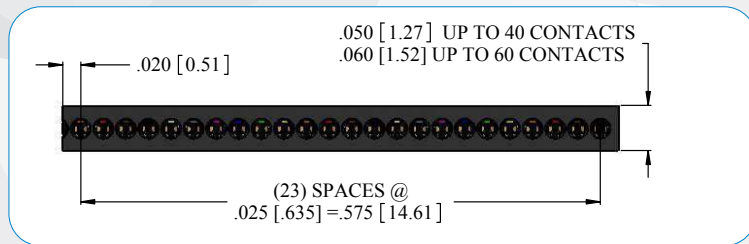
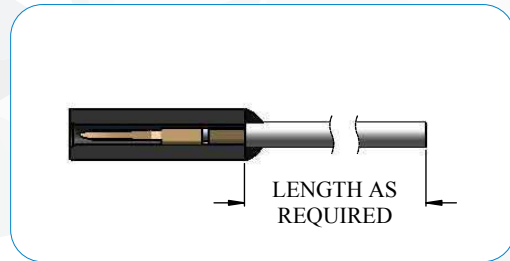
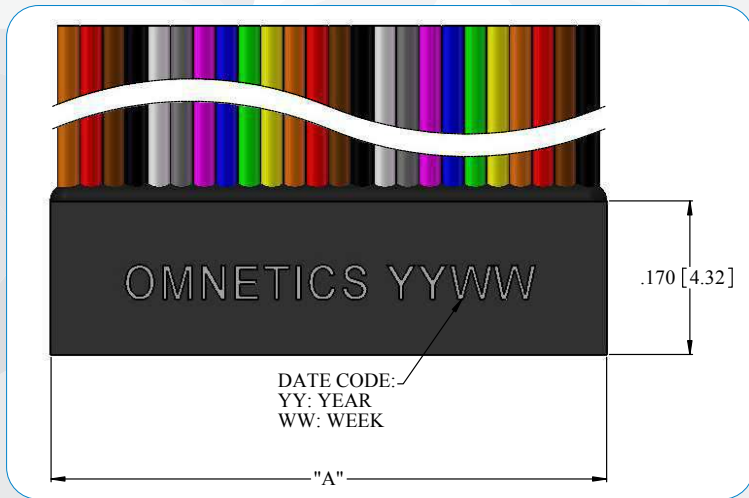
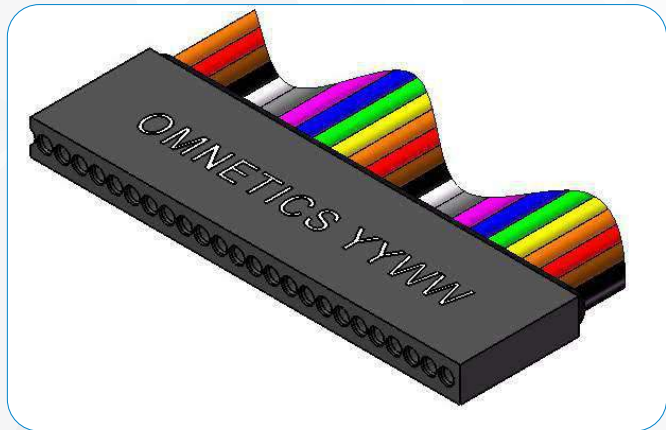
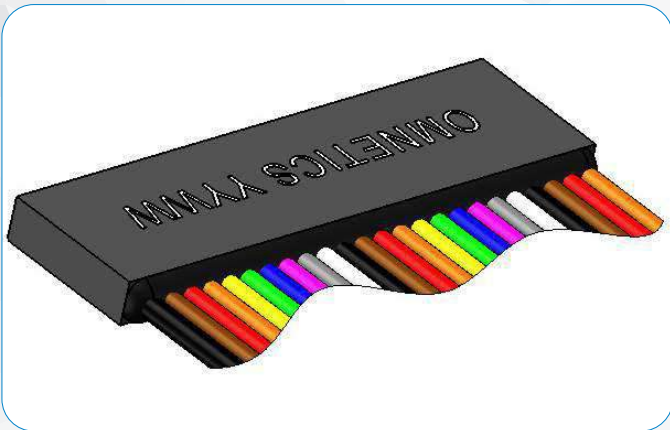
EXAMPLES:

NPS-24-WD-18.00-C

NSS-22-WD-18.0-C-GS

Single Row Nano Strip

NPS-WD/WC LAYOUT



DIMENSIONS FOR "A"

To determine connector length "A":

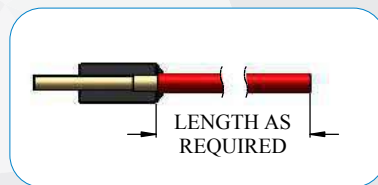
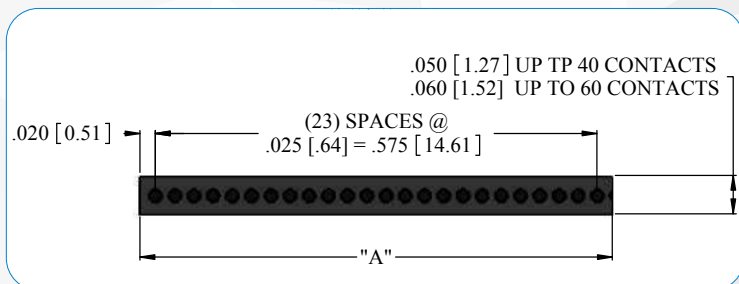
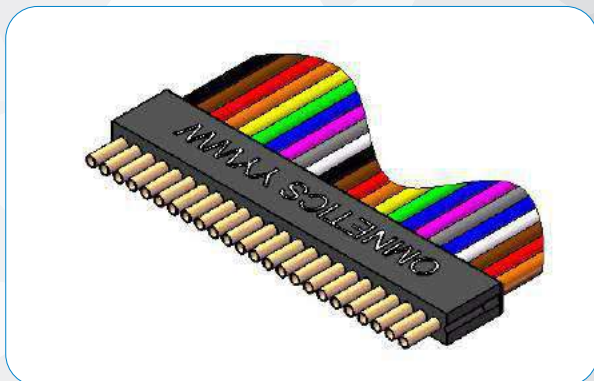
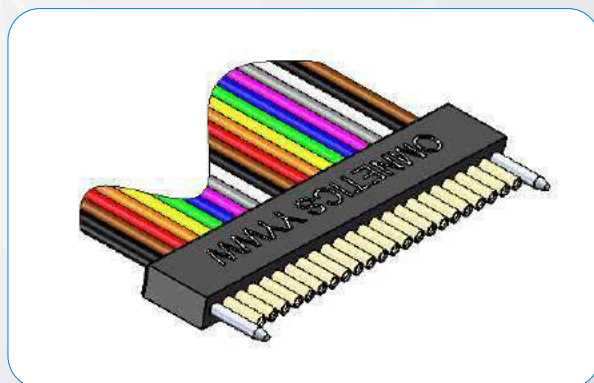
Add the total number of contacts	_____
Add 1 contact cavity for each guide post hole	_____
Add 3 contact cavities for each mounting hole	_____
Total contact cavities	_____
Subtract 1 from the total to get the number of cavity spaces and multiply by .025"	_____
Add fixed end length constant	.040
Total Length (Dimension A):	_____

Notes: Maximum length @ .050" thick = 1.015" (25.78). Maximum number of contact cavities is 60. Maximum length @ .060" thick = 1.515" (38.48).

Number of contacts must be reduced to accommodate guide post holes and mounting holes. Default locations for guide post holes may be changed by customer. Dimensions in [] are in Millimeters unless otherwise noted and are for reference only.

Single Row Nano Strip

NSS-WD/WC LAYOUT



DIMENSIONS FOR "A"

To determine connector length "A":

Add the total number of contacts _____

Add 1 contact cavity for each guide post _____

Total contact cavities _____

Subtract 1 from the total to get the number of cavity spaces and multiply by .025" _____

Add fixed end length constant _____

.040

Total Length (Dimension A): _____

Notes: Maximum length @ .050" thick = 1.015" (25.78). Maximum number of contact cavities is 60. Maximum length @ .060" thick = 1.515" (38.48). Number of contacts must be reduced to accommodate guide post holes and mounting holes. Default locations for guide post holes may be changed by customer. Dimensions in [] are in Millimeters unless otherwise noted and are for reference only.

Single Row Nano Strip

PRE-WIRED/CABLE (TYPE WD/WC)

Pre-wired Single Row Nano Strip connectors are available with 30 AWG or smaller stranded wire. These assemblies are crimped using proprietary semi-automated crimping systems. Due to their small size and precision required to make these quality crimps, hand crimping is not an option. Precrimped wires and contacts are potted in place further protecting the integrity of the crimp joint. Building these parts to order allows for maximum flexibility in wire type, size and color coding. Commercial Off The Shelf (COTS) versions are also available with 18" of color coded 30 AWG Teflon® wire for quick turn around.

These connectors are available in standard sizes ranging from 2 through 60 positions as well as custom configurations.

ELECTRO-MECHANICAL SPECS

- Durability: 2000 Cycles
- Temperature: -55°C to +125 °C (200 °C w/HTE)
- Current rating: 1 AMP per contact
- Voltage Rating (DWV): 250 VAC RMS Sea Level
- Insulation Resistance: 5,000 Megohms min @ 100 VDC
- Shock: 100 G's discontinuity < 10 nanoseconds
- Vibration: 20 G's discontinuity < 10 nanoseconds
- Thermal Vacuum Outgassing: NASA SP-R-0022
- Contact Resistance: 71 Milliohms max (71 mV max @ 1 AMP)
- Mating/Unmating Force: 2.5 oz (71 g) typical per contact

MATERIAL SPECIFICATIONS

- Standard Wire: 32 AWG, Teflon Insulated per NEMA-HP3
- Insulator: Polyphenylene Sulfide per MIL-M-24519
- Pin: Gold Plated BeCu
- Socket: Gold Plated Copper Alloy
- Encapsulant: Epoxy