Specifications

Insulation Resistance:	106MΩ min. at 500V DC
Withstanding Voltage:	1,000V AC rms for 1 minute
Contact Resistance:	20mΩ max. at 10mA
Current Rating:	1A
Operating Temp. Range:	–65°C to +85°C

Materials and Finish

Housing: PBT (glass filled), UL 94V-0 rated
Contacts: Copper Alloy
Plating: Mating Face Contacts - Au over Nickel
IDC Terminals - Flash Au over Nickel

✔ RoHS

Features

➥ 2.54mm pitch IDC type connectors for 1.27mm cable,
conforming to DIN41612 standards of compatibility
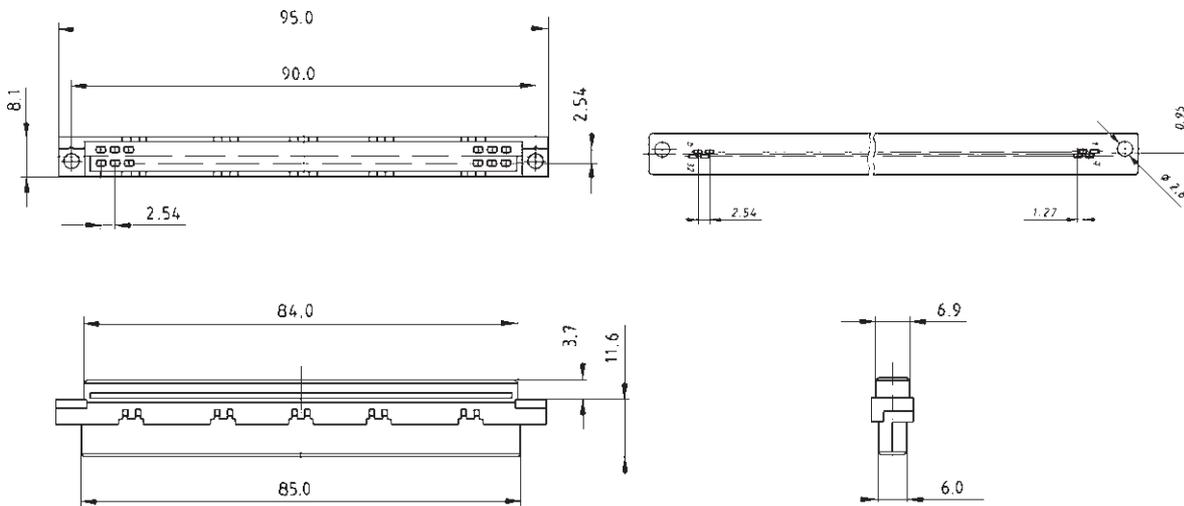

Part Number (Details)

FNS12 - 064 00-00 B F

Series No.

No. of Leads

Terminal Type
00 = IDC

Contact Plating in Mating Area:
B = Au 0.3µm min. over Ni

Contact Plating in IDC Area:
F = Flash Au over Ni

Part Number for Strain Relief:
FNS13-06400-1000

Applicable Cables (see Section D)
AWG 28 stranded wire,
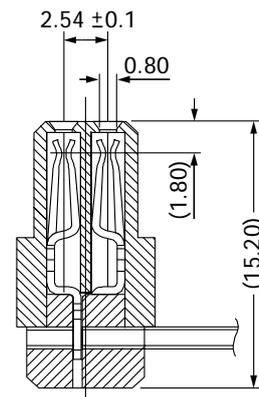AWG 30 solid wire, with 1.27mm pitch

Outline Dimensions

Applicable Tool for FNS Series

➥ Hand press: FX-003
➥ Positioning Tool for FNS12 = Part No. FN-106

Contact Details (contacts in rows A and B)

YAMAICHI ELECTRONICS

Sockets and Connectors

Specifications

Insulation Resistance:	106MΩ min. at 500V DC
Withstanding Voltage:	1,000V AC rms for 1 minute
Contact Resistance:	20mΩ max. at 10mA
Current Rating:	1A
Operating Temp. Range:	–65°C to +85°C

Materials and Finish

Housing: PBT (glass filled), UL 94V-0 rated
Contacts: Copper Alloy
Plating: Mating Face Contacts - Au over Nickel
IDC Terminals - Flash Au over Nickel

✔RoHS

Features

▷ 2.54mm pitch IDC type connectors for 1.27mm cable, conforming to DIN41612 standards of compatibility

Part Number (Details)

FNS13 - 064 00-00 B F

Series No.

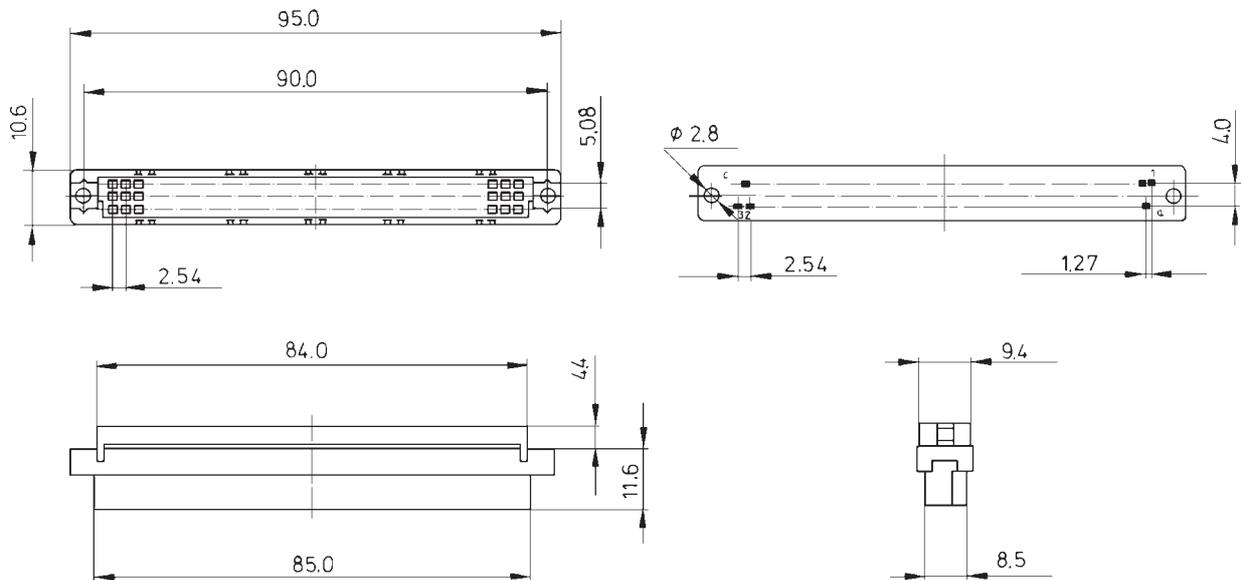No. of Leads

Terminal Type
00 = IDC

Contact Plating in Mating Area:
B = Au 0.3µm min. over Ni

Contact Plating in IDC Area:
F = Flash Au over Ni

Part Number for Strain Relief:
FNS13-06400-1000

Applicable Cables (see Section D)
AWG 28 stranded wire,
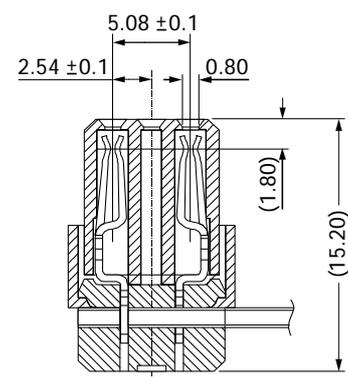AWG 30 solid wire, with 1.27mm pitch

Outline Dimensions

Applicable Tool for FNS Series

▷ Hand press: FX-003

▷ ✔RoHS Positioning Tool for FNS13 = Part No.
FN-105

Contact Details (contacts in rows A and C)

Specifications

Insulation Resistance: 106MΩ min. at 500V DC
Withstanding Voltage: 1,000V AC rms for 1 minute
Contact Resistance: 20mΩ max. at 10mA
Current Rating: 1A
Operating Temp. Range: –65°C to +85°C

Materials and Finish

Housing: PBT (glass filled), UL 94V-0 rated
Contacts: Copper Alloy
Plating: Mating Face Contacts - Au over Nickel
IDC Terminals - Au over Nickel

✔ RoHS

Features

↪ 2.54mm pitch IDC type connectors for 0.847mm cable,
conforming to DIN41612 standards of compatibility

Part Number (Details)

FNS13 - 096 00 -00 B F

Series No.

No. of Leads

Terminal Type
00 = IDC

Contact Plating in Mating Area:
B = Au 0.3µm min. over Ni

Contact Plating in IDC Area:
F =Flash Au over Ni

Part Number for Strain Relief:
FNS13-06400-1000

Applicable Cables (see Section D)
AWG 28 stranded wire,
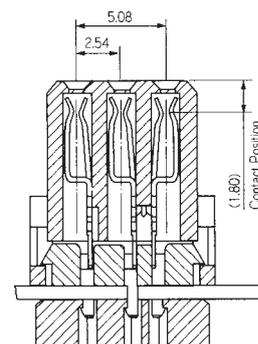AWG 30 solid wire, with 1.27mm pitch

Outline Dimensions
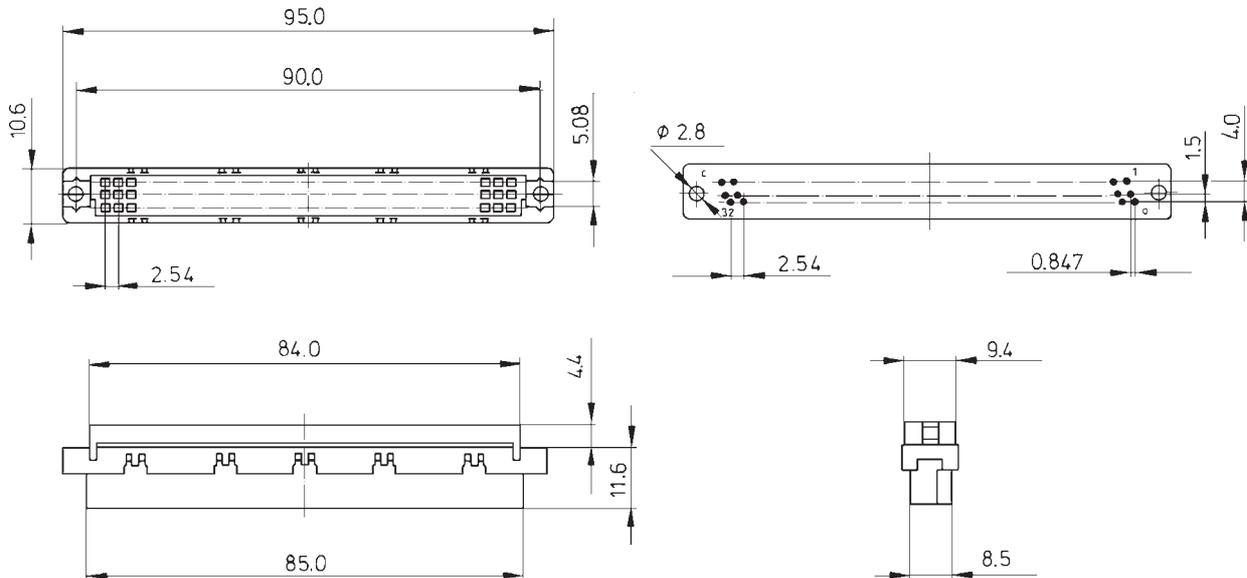
Applicable Tool for FNS Series

↪ Hand press: FX-003
↪ Positioning Tool for FNS13 = Part No. FN-105

Contact Details (contacts in rows A, B and C)

Specifications

Insulation Resistance:	5MΩ / km min. at 20°C
Withstanding Voltage:	1,500V AC / min.
Current Rating:	0.5A
Voltage Rating:	150V max.
Conductor Resistance:	362Ω / km max. at 20°C
Characteristic Impedance:	89Ω approx.
	(ground- signal- ground)
Capacity:	65pF / m at 1kHz
	(ground- signal- ground)
Dimension:	AWG 30
Operating Temp. Range:	−20°C to +105°C

Features

☼ 33MIL, 0.847mm pitch flat cable designed for termination with DIN41612 IDC connectors (96 pos.)
☼ AWG 30 (7/0.1mm) stranded Cu-wire
☼ UL Style No. 2678

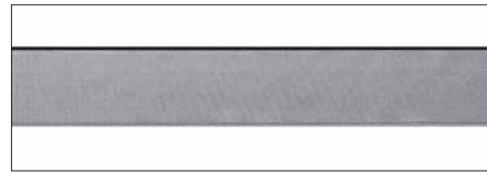## Applicable Tools for FNS Series

☼ Hand press: FX-003
☼ Positioning Tools for FNS12: FN-106
  FNS13: FN-105

Part Number (Details)

TFC30 - 96 (0.847) *

Series No.

No. of Conductors:
96

Packing Sizes:
–   = In Rolls (30.5 meters)
/ M = 1 meter

Standard Cable Length
☼ see Part Number (Details)

Outline Cable Dimensions

Insulation

AWG 30 (7/0.1)

No.1 = red
others = grey

0.16 min.

0.16 min.

0.847±0.05

0.71±0.05

80.47±0.2 (96 conductors)

81.31±0.25 (96 conductors)