Series YFT
Shielded High Speed FFC (0.5mm Pitch) for HF507S

Specifications

Insulation Resistance:	100MΩ min. at 500V DC or higher
Contact Resistance:	1.7Ω/m
Withstanding Voltage:	250V AC for 1 minute
Voltage Rating:	30V AC DC
Current Rating:	0.2A or less
Operating Temp. Range:	-40°C to +80°C
Characteristic Impedance:	100±10Ω
Intra / Inter Skew:	10 ps/m or less
Attenuation:	19db/m at 5GHz (reference only)
Bending at 180°:	20 times or more

Materials and Finish

Housing:	LCP (GF), black
Lock Hold:	SUS t = 0.2mm
Contacts:	Phosphor Bronze, (t = 0.15mm) Ni-Au plating
Terminal:	Phosphor Bronze, (t = 0.15mm) Ni-Au plating

Features

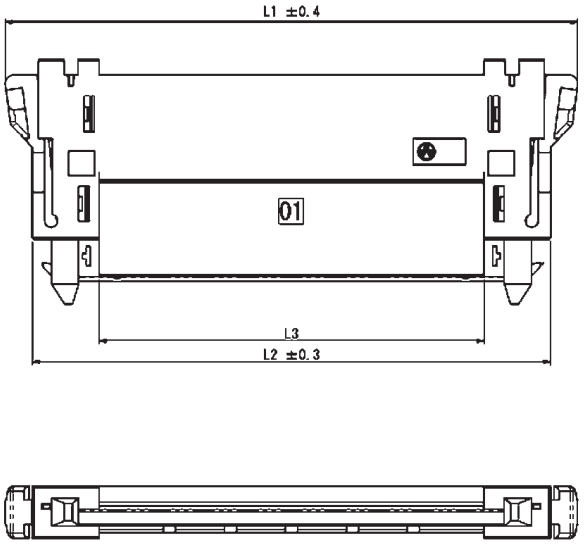
- High speed transmission 3Gbps
- Differential impedance 100Ω
- One shielding
- UL compliant

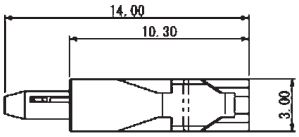
Part Number (Details)

YFT - ** - 250 - *

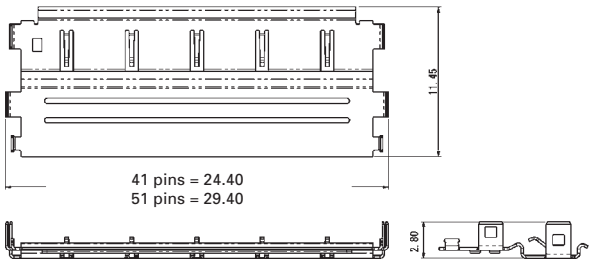
- Series No.
- No. of Contacts (41 and 51)
- Length in mm
- A = Adapters on the same side
  B = Adapters on reversed side

Outline Dimensions

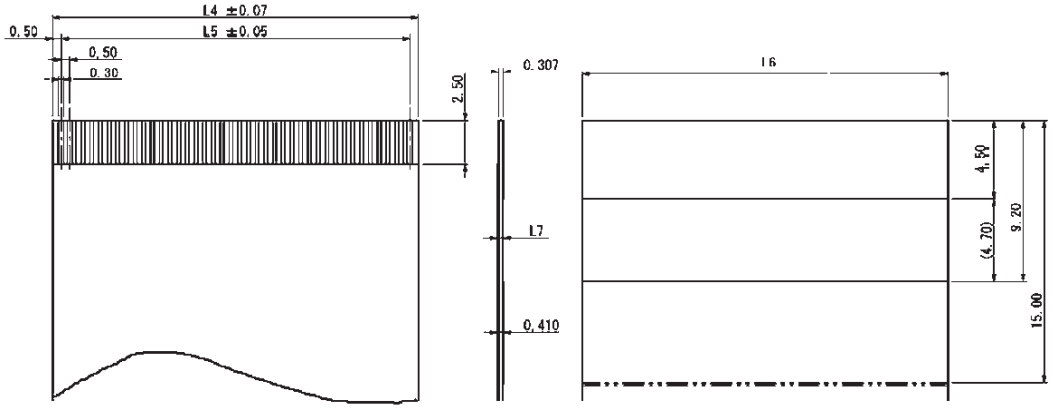




Outline Shielding Dimensions



Outline Cable Dimensions



Part Number	Pin Count	L1	L2	L3	L4	L5	L6
YFT-41-***-*	41	32.85	29.75	22.10	20.00	21.00	19.75
YFT-51-***-*	51	37.85	34.75	27.10	25.00	26.00	24.75

Specifications

Insulation Resistance:	100MΩ min.
Contact Resistance:	100mΩ max.
Withstanding Voltage:	125V ACrms for 1 minute
Voltage Rating:	50V ACrms
Current Rating:	0.3A
Operating Temp. Range:	-20°C to +85°C
Differential Impedance:	100 Ω
Inserertion / Extraction:	30 times max.

Materials and Finish

Housing:	LCP (GF), black
Lock Hold:	SUS t = 0.2mm
Contacts:	Phosphor Bronze, (t = 0.15mm) Ni-Au plating
Terminal:	Phosphor Bronze, (t = 0.15mm) Ni-Au plating

Features

- Suitable for LVDS, HDMI, DVI, PCI express and S-ATA data transmission
- Easy operation by side-locking mechanism prevents cable angularinsertion and guarantees secure locking

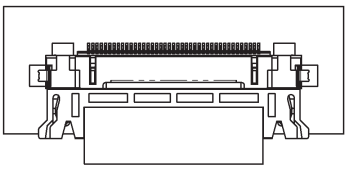
Part Number (Details)

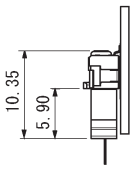
HF507S - 41 - **

- Series No.
- No. of Contacts (21, 31, 41 and 51)
- 01 = 90° Without Shielding
  03 = 90° With Shielding

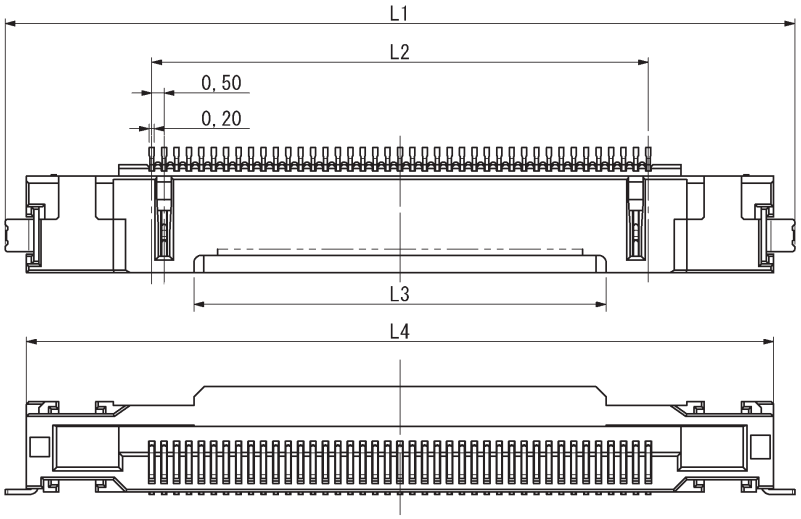
Applicable Cable
see page C-5 to C-7

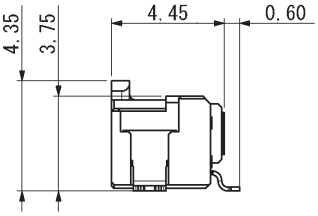
Orientation for 90° Socket



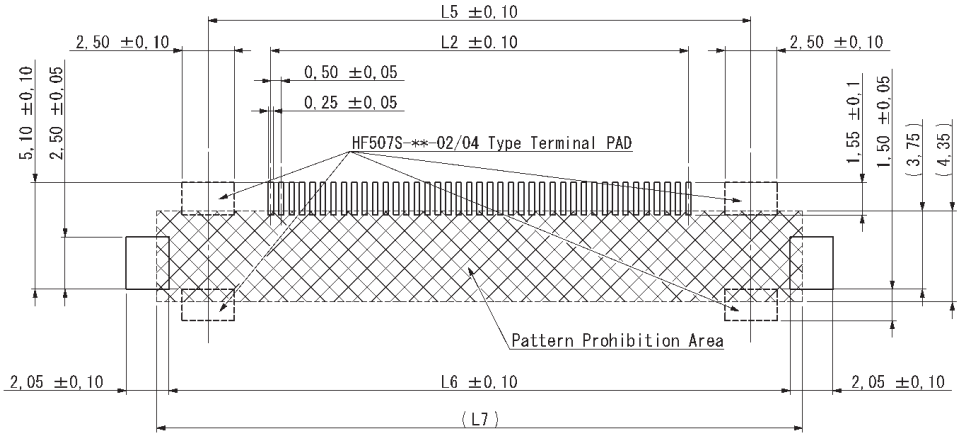


Outline Dimensions for 90° Socket





Recommended PCB Layout

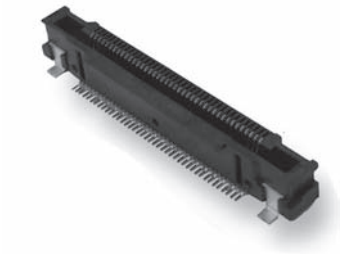


Part Number	Pin Count	L1	L2	L3	L4	L5	L6	L7
HF507S-21-0*	21	16.00	10.00	6.60	20.10	16.00	19.75	20.95
HF507S-31-0*	31	21.00	15.00	11.60	25.10	21.00	24.75	25.95
HF507S-41-0*	41	26.00	20.00	16.60	30.10	26.00	29.75	30.95
HF507S-51-0*	51	31.00	25.00	21.60	35.10	31.00	34.75	35.95

Series HF507S
Non-ZIF 180° Socket for High Speed Applications

Specifications

Insulation Resistance:	100MΩ min.
Contact Resistance:	100mΩ max.
Withstanding Voltage:	125V ACrms for 1 minute
Voltage Rating:	50V ACrms
Current Rating:	0.3A
Operating Temp. Range:	-20°C to +85°C
Differential Impedance:	100 Ω
Inserertion / Extraction:	30 times max.



Materials and Finish

Housing:	LCP (GF), black
Lock Hold:	SUS t = 0.2mm
Contacts:	Phosphor Bronze, (t = 0.15mm) Ni-Au plating
Terminal:	Phosphor Bronze, (t = 0.15mm) Ni-Au plating

Features

- Suitable for LVDS, HDMI, DVI, PCI express and S-ATA data transmission
- Easy operation by side-locking mechanism prevents cable angularinsertion and guarantees secure locking

Part Number (Details)

HF507S - 21 - **

Series No.

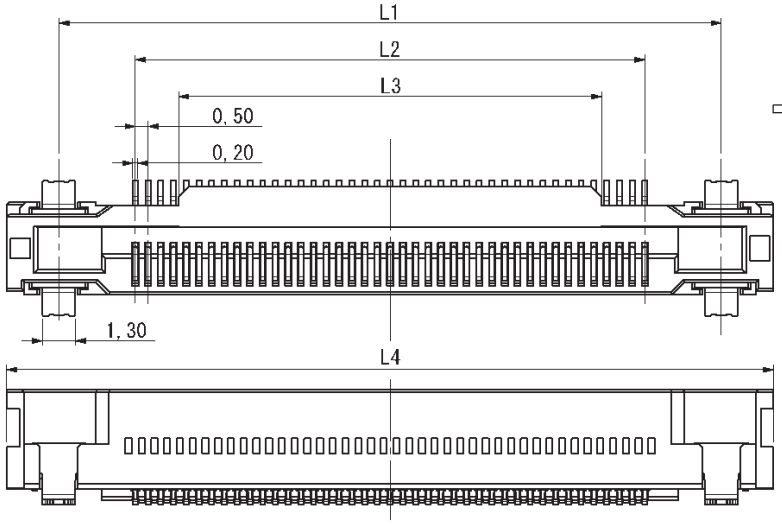
No. of Contacts
(21, 31, 41 and 51)

02 = 180° Without Shielding
04 = 180° With Shielding*

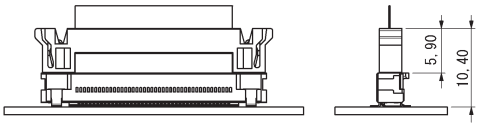
***180° with shielding not available for 21 pin version**

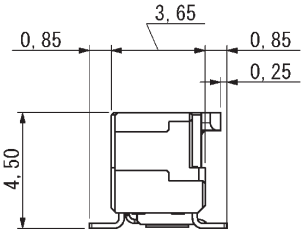
Applicable Cable
see page C-5 to C-7

Outline Dimensions for 180° Socket

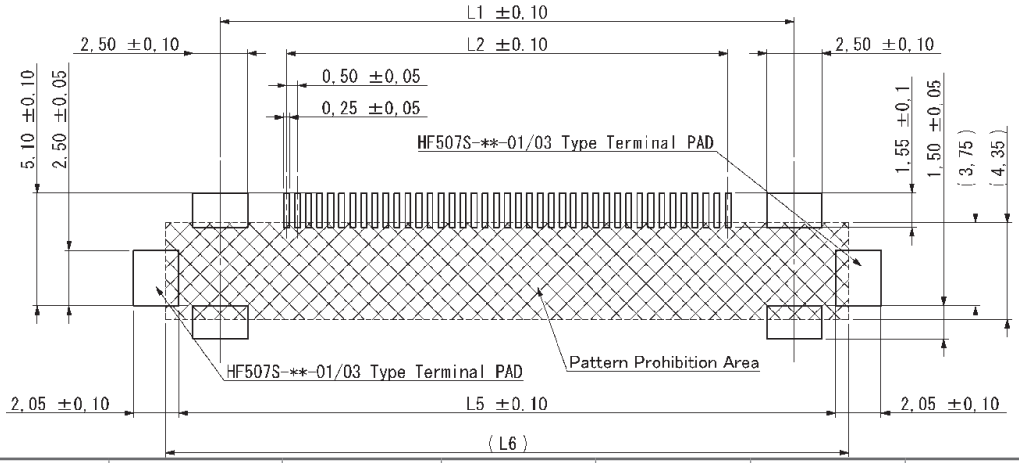


Orientation for 180° Socket





Recommended PCB Layout



Part Number	Pin Count	L1	L2	L3	L4	L5	L6
HF507S-21-0*	21	16.00	10.00	6.60	20.10	19.75	20.95
HF507S-31-0*	31	21.00	15.00	11.60	25.10	24.75	25.95
HF507S-41-0*	41	26.00	20.00	16.60	30.10	29.75	30.95
HF507S-51-0*	51	31.00	25.00	21.60	35.10	34.75	35.95