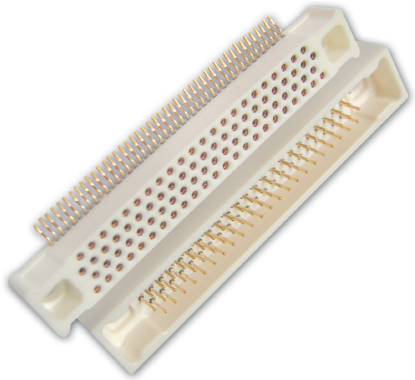


HDLP

- Four high density standard configurations from 30 to 118 ways
- High density configurations with simple mating hardware
- 2000 mating cycles
- Lightweight
- Polarised and scoop proof insulator
- Low component count
- Low insertion force
- Interfacial seal and backpotted contacts as standard
- Surface mount, plated through hole & 90° options as standard
- Pick and place compatible

PART NUMBER CONFIGURATOR

HDLP	1	1	030	U	F	X	AA	0P0

Series

HDLP	PCB Connectors

Alignment Pips

1	With
2	Without
	Default is 2 if insulator style=9

Insulator Height/Style

1	Single
2	Double
9	90°
	Default is 9 for 90° contact termination

No. of Ways

030, 058, 090, 118

Contact Plating

U	Standard gold plating
S	Gold plate with tin dipped terminations (PC tail only)

Contact Gender

M	Male
F	Female

* Contact Hypertac for more information

Standard Male & Female PCB Variations

0P0	Back potted terminations and fitted with interfacial seal (Preferred)
0PX	Tinned and back potted and fitted with interfacial seal
0PC	Back potted and conformally coated and fitted with interfacial seal
NP0	Back potted terminations (Preferred)
NPX	Tinned and back potted
NPC	Back potted and conformally coated

Guide Hardware

AA	No guide hardware
B*	locking socket
D*	locking post
F*	Polarising socket
H*	Polarising Pin
J*	Connector to board fixing
L*	Guide socket
O*	Guide Pin
P*	Guide pin transverse mounting
Q*	Polarised transverse mounting *

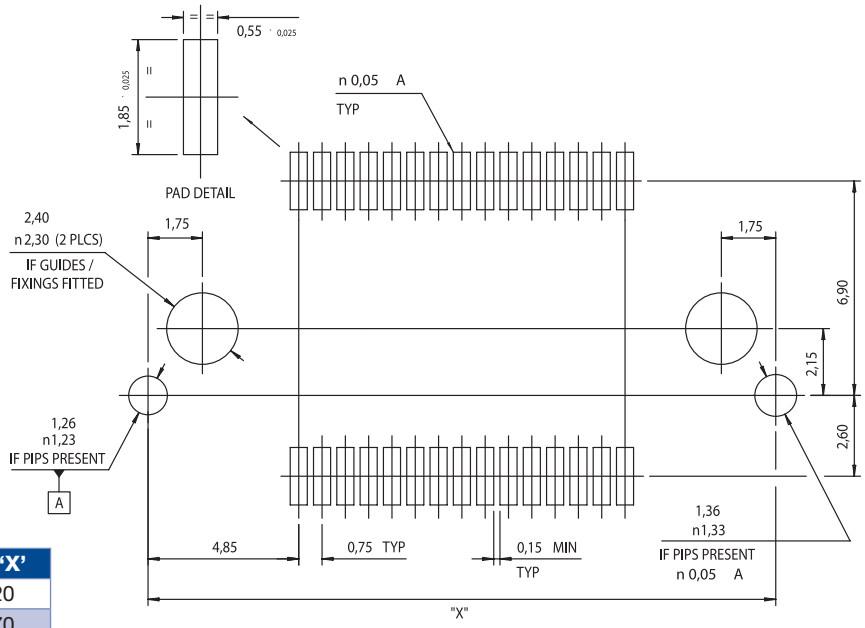
Contact Termination

C	Through board solder—Straight PC Tail—2,26mm Long
D	Through board solder—Straight PC Tail—3,16mm Long
E	Through board solder—Straight PC Tail—3,86mm Long
H	Through board solder—90° PC Tails—2,26mm Long
J	Through board solder—90° PC Tails—3,16mm Long
K	Through board solder—90° PC Tails—3,86mm Long
Q	Surface Mount—Straight *

CIRCUIT BOARD

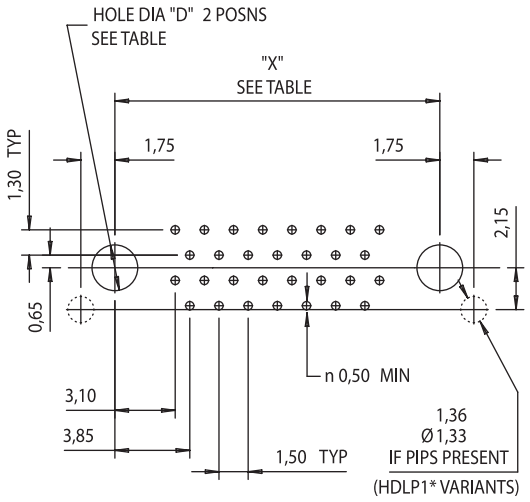
Preparation Detail

SURFACE MOUNT



Connector	Dim 'X'
30 Way	20,20
58 Way	30,70
90 Way	42,70
118 Way	53,20

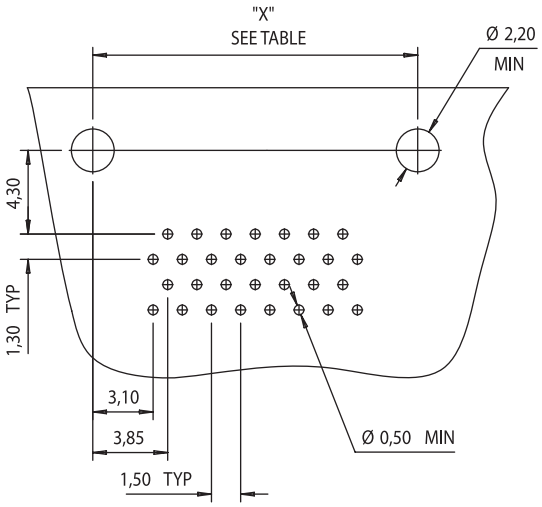
VERTICAL MOUNT PC TAIL CONNECTORS



Connector	Dim 'X'
30 Way	16,70
58 Way	27,20
90 Way	39,20
118 Way	49,70

Guide Style	Dim D Min
J*	2,20
H*	2,20
F*	2,20
O*	2,20
L*	2,90
D*	2,20
B1 & BA	N/A
B2	2,90

90° PC TAIL CONNECTORS



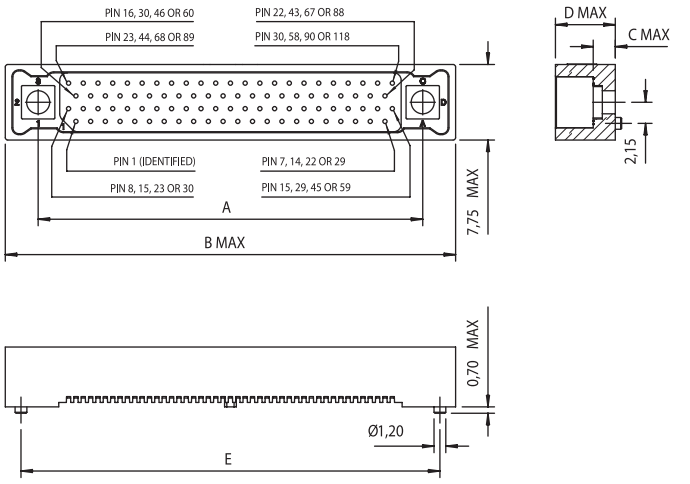
Connector	Dim 'X'
30 Way	16,70
58 Way	27,20
90 Way	39,20
118 Way	49,70

Diagrams are not to scale. All dimensions are in mm.

HDLP INSULATORS

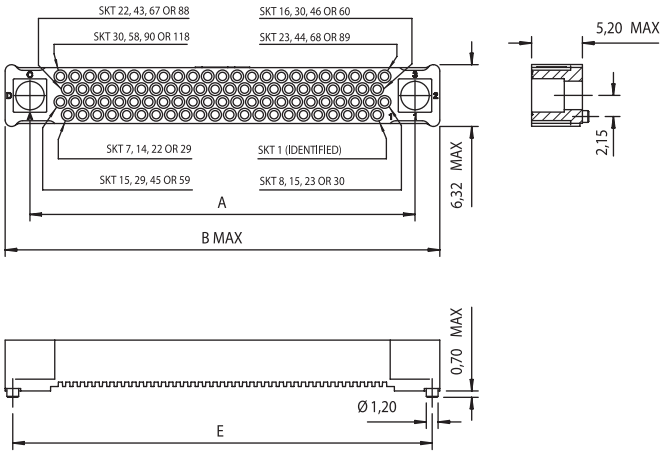
Straight Connectors

MALE (SINGLE & DOUBLE HEIGHT)



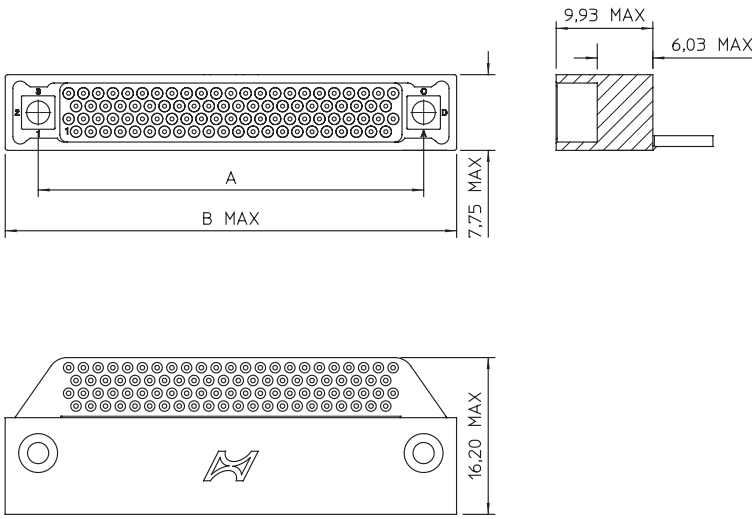
No. of Positions	30		58		90		118	
	Single	Double	Single	Double	Single	Double	Single	Double
DIM A	16,70		27,20		39,20		49,70	
DIM B	23,45		33,95		45,95		56,45	
DIM C	2,28	6,85	2,28	6,85	2,28	6,85	2,28	6,85
DIM D	6,18	10,75	6,18	10,75	6,18	10,75	6,18	10,75
DIM E	20,20		30,70		42,70		53,20	

FEMALE



No. of Positions	30	58	90	118
DIM A	16,70	27,20	39,20	49,70
DIM B	21,80	32,30	44,30	54,80
DIM E	20,20	30,70	42,70	53,20

MALE 90°

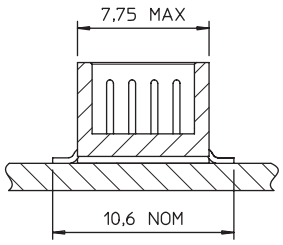


No. of Positions	30	58	90	118
DIM A	16,70	27,20	39,20	49,70
DIM B	23,45	33,95	45,95	56,45

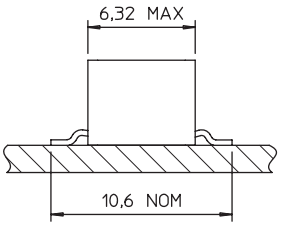
Diagrams are not to scale. All dimensions are in mm.

HDLP TERMINATIONS

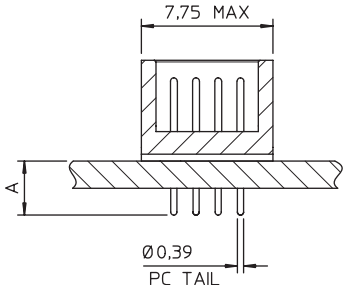
MALE SMT



FEMALE SMT

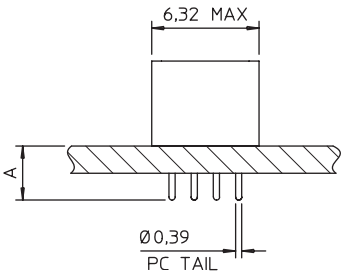


MALE VERTICAL PCB



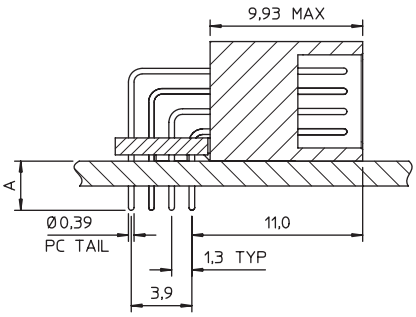
No. of Positions	Dim A
C	2,26
D	3,16
E	3,86

FEMALE VERTICAL PCB



No. of Positions	Dim A
C	2,26
D	3,16
E	3,86

MALE 90° PCB

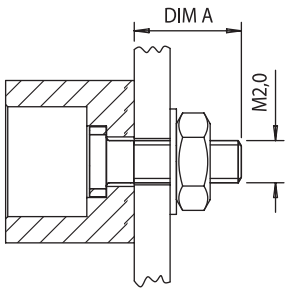


No. of Positions	Dim A
H	2,26
J	3,16
K	3,86

Diagrams are not to scale. All dimensions are in mm.

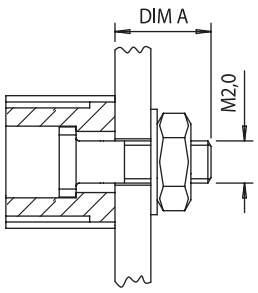
GUIDES

MALE—FIXING SCREW STYLE J*



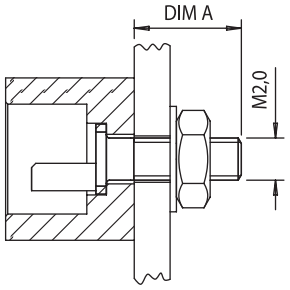
Style	Board Thickness	Dim A Max
JA	1.0–2.0mm	5.5
JB	2.1–4.0mm	7.5

FEMALE—FIXING SCREW STYLE J*



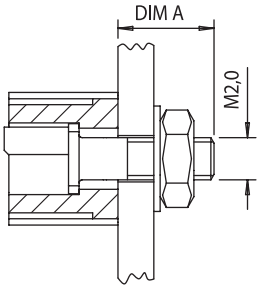
Style	Board Thickness	Dim A Max
JA	1.0–2.0mm	5.0
JB	2.1–4.0mm	7.0

MALE—POLARISING PIN STYLE H*



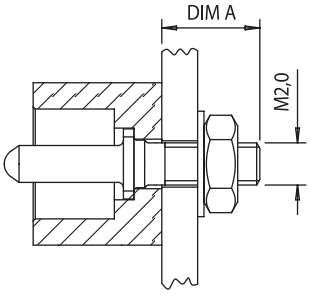
Style	Board Thickness	Dim A Max
HA	1.0–2.0mm	5.5
HB	2.1–4.0mm	7.5

FEMALE—POLARISING PIN STYLE F*



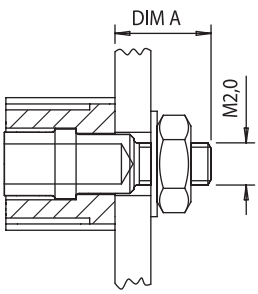
Style	Board Thickness	Dim A Max
FA	1.0–2.0mm	5.0
FB	2.1–4.0mm	7.0

MALE—GUIDE PIN STYLE O*



Style	Board Thickness	Dim A Max
OA	1.0–2.0mm	5.0
OB	2.1–4.0mm	7.0

FEMALE—GUIDE SOCKET STYLE L*

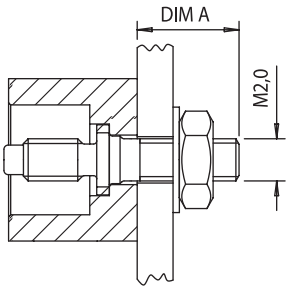


Style	Board Thickness	Dim A Max
LA	1.5–2.0mm	5.0
LB	2.1–4.0mm	7.0

Diagrams are not to scale. All dimensions are in mm.

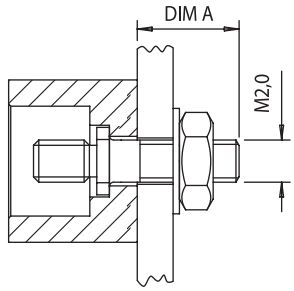
GUIDES

MALE—FIXED JACKING POST STYLE DA & DB



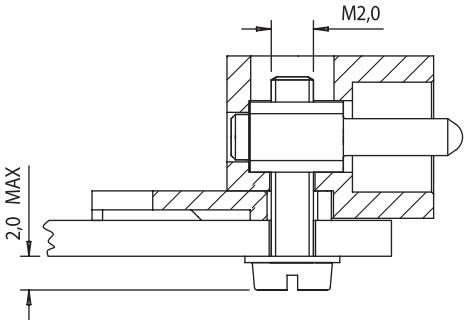
Style	Board Thickness	Dim A Max
OA	1.0–2.0mm	5.1
OB	2.1–4.0mm	7.1

MALE—FIXED LOCKING POST STYLE D1 & D2



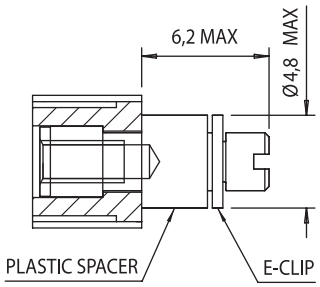
Style	Board Thickness	Dim A Max
D1	1.0–2.0mm	5.1
D2	2.1–4.0mm	7.1

MALE 90—GUIDE PIN STYLE P*

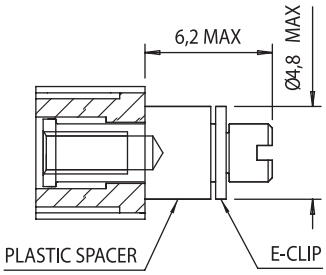


Style	Board Thickness
PA	1.0–2.0mm
PB	2.1–4.0mm

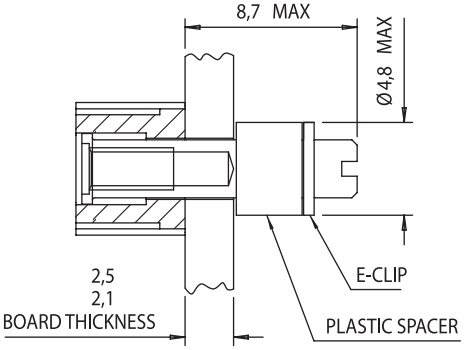
FEMALE—ROTATING JACKING SOCKET FREE CONNECTOR STYLE BA



FEMALE—ROTATING LOCKING SOCKET FREE CONNECTOR STYLE B1



FEMALE—ROTATING LOCKING SOCKET PCB MOUNTED STYLE B2



Diagrams are not to scale. All dimensions are in mm.