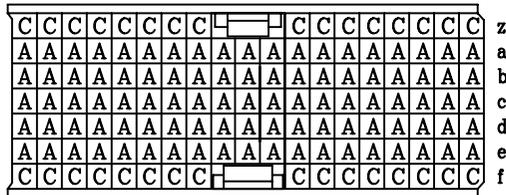
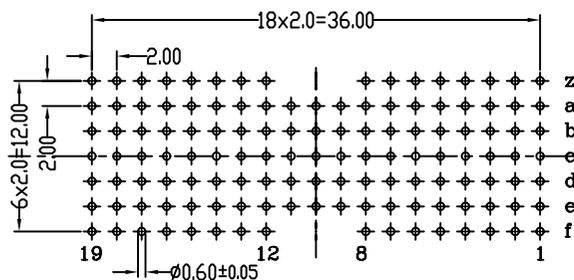
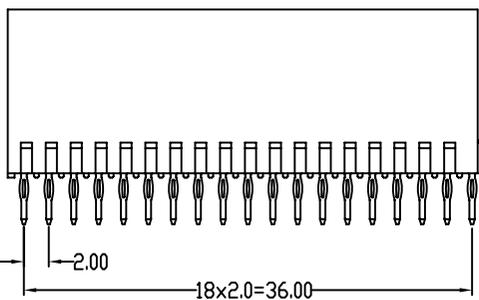
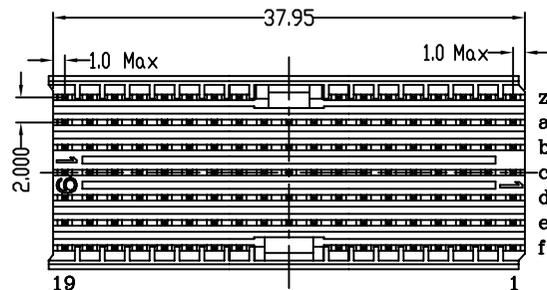
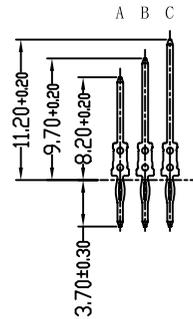


AB19 TYPE 5*19+2*16 PIN

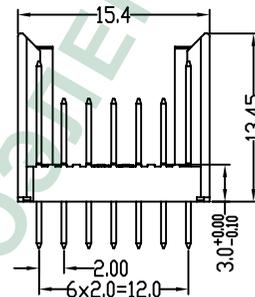


19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Assembly Drawing



Recommended P. C. B. layout



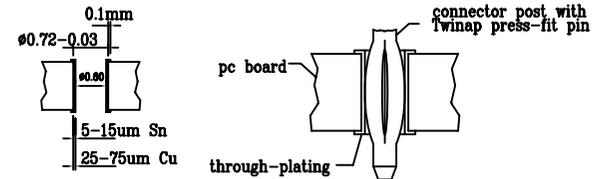
2.0mm Hard Metric Connectors

Vertical Male type AB Connectors for Fix Boards

Technical data

Grid Size	2.0mm
Operating temperature	-55°C to +125°C
Insulation Material	Glass filled Polyester, UL94V-0
Contact Material	Phosphor Bronze
Contact Plating	Contacts area plated PdNi 08u" + Au 2u" and soldering area plated matt Sn(100~200u") over Ni(50~100u")
Lead free	Male 0.8mm, Female 0.8mm
Air and Creepage Distance	5.3mm - Leve 1
Contact Levels	6.8mm - Leve 2
	8.3mm - Leve 3
Press-in force	100N/pin Max
Retention force	20N/pin Min
Mating Force per Signal Contact	N x 0.75N Max
Mating Force per Shield Contact	N x 1N Max
Withdrawal Force	0.15N Min.
Termination Technique	Compliant Press-Fit
Misalignment	Longitudinal ±2.0mm
	Latitudinal ±2.5mm
Inclination	±2 degree
Current Rating	1.5A AT 20 °C, 1.0A AT 70 °C
Test Voltage	750Vrms
Contact Resistance	20m(ohm) Max.
Insulation Resistance	10 ⁴ M(ohm) Min.
Recommended P.C.B Plated Through Holes	
Drelled Hole	ø0.69-0.72mm
	Min.25(ohm)m
	5-15(ohm)m
Plated Though Hole	ø0.55-0.65mm

Cu Longitudinal Section of P.T.H.
 Sn With Twinap Press-Fit Pin



MATERIAL:	DRAWN:	2012.07.21	KLS ELECTRONIC CO., LTD			
FINISH:	DESIGN:		TITLE:			
ALL DIMENSIONS ARE IN mm	CHECKED:		KLS1-HBC5-AB-127-A-1-30			
APPROVED:			PART NUMBER:		SERIES:	
THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		DRAWING NUMBER	REV	SCALE	SHEET
	GENERAL TOLERANCE	ANGLE TOLERANCE	A0	1:1	A4	1 OF 1
	X. ±0.30	X' ±3.0°				
	.X ±0.25	.X' ±2.0°				
	.XX ±0.15	.X' ±1.0°				
	.XXX ±0.05	.XX' ±0.5°				