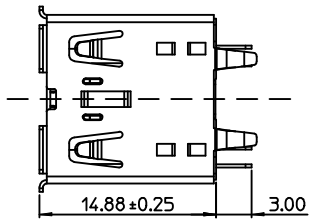
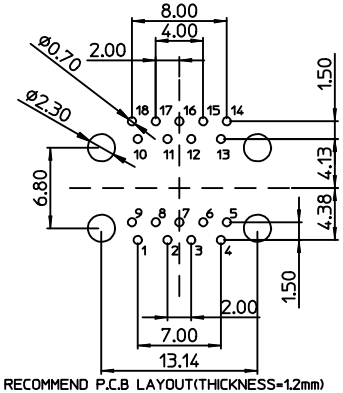
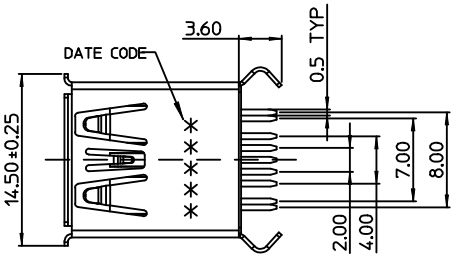
Pin Number	Signal Name	Description
1,10	VBUS	Power
2,11	D-	USB2.0 differential pair
3,12	D+	
4,13	GND	Ground for power return
5,14	StdA_SSRX-	SuperSpeed receiver defferential pair
6,15	StdA_SSRX+	
7,16	GND_DRAIN	Ground for signal return
8,17	StdA_SSTX-	SuperSpeed transmitter differential pair
9,18	StdA_SSTX+	
Shell	Shield	Connector metal shell

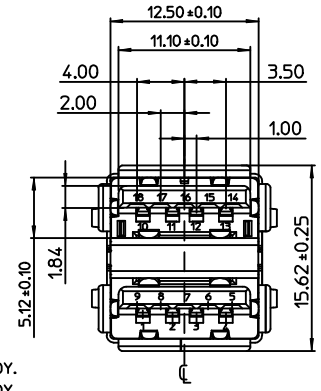
USB3.0 Standard-A Connector
Pin Assignrments

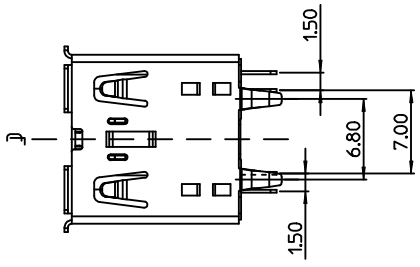


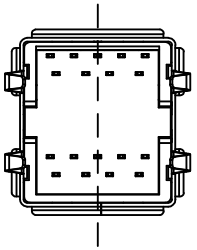


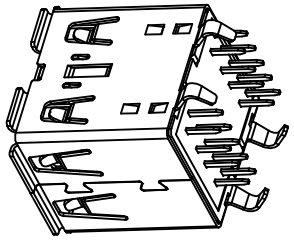
RECOMMEND P.C.B LAYOUT(THICKNESS=1.2mm)
(COMPONENT SIDE) TOLERANCE±0.05

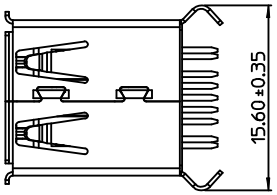












NOTES:
1.MATERIAL:
HOUSING: THERMOPLASTIC, GLASS FIBER FILLED,
HALOGEN FREE, UL94-HB, COLOR: BLUE.
COVER: THERMOPLASTIC, GLASS FIBER FILLED,
HALOGEN FREE, UL94-HB, COLOR: BLUE.
USB2.0 CONTACT(SHORT PIN&LONG PIN): COPPER ALLOY.
USB3.0 CONTACT(SHORT PIN&LONG PIN): COPPER ALLOY.
SHELL: STAINLESS STEEL.
IN CLIP SHELL:STAINLESS STEEL.
2.FINISH:
CONTACT:
SELECTIVE GOLD(Au) IN CONTACT AREA(SEE TABLE)
SELECTIVE MATTE TIN(Sn) ALLOY IN SOLDER TAIL AREA
THICKNESS=120 MICROINCH MINIMUM.
NICKEL(Ni) OVERALL THICKNESS=80 MICROINCH MINIMUM.
SHELL:
NICKEL(Ni) OVERALL THICKNESS=30 MICROINCH MINIMUM.
IN CLIP SHELL:
NICKEL(Ni) OVERALL THICKNESS=30 MICROINCH MINIMUM.
3. PRODUCT SPECIFICATION REFERS TO PS-48409-001
4. PACKAGE SPECIFICATION REFERS TO PK-48409-001
5. TEST SUMMARY REFERS TO TS-48409-001
6. LEAD FREE AND RoHS COMPLIANT PRODUCT.
7. DATE CODE: X X X X
YEAR WEEK DAY

TABLE

PLATING	MOLEX P/N
30u" Au	48409-0001
2u" Au &30u"Pd-Ni	48409-0002
15u" Au	48409-0003
GOLD FLASH(3u" Au MIN.)	48409-0004

RELEASE
EC NO:
DRWN: FYANG05 2013/10/20
CH'KD:
APPR:
A

DESCRIPTION
REV

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.20	±
1 PLACE	± 0.25	±
ANGULAR	± °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

DRAWN BY	RUBY	DATE 2013.9.22
CHECKED BY	FYANG	DATE 2013.9.22
APPROVED BY	RZHANG	DATE 2013.9.22

MATERIAL NO. SEE TABLE

SIZE A3

SCALE 1:1

DESIGN UNITS

THIRD ANGLE PROJECTION

TITLE
USB 3.0 CONNECTOR A
RECEPTACLE DOUBLE 180° VERTICAL

molex MOLEX INCORPORATED

DOCUMENT NO. SD-48409-001

SHEET NO. 1 OF 1

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