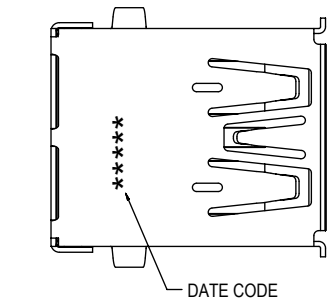
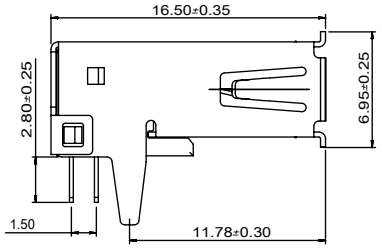
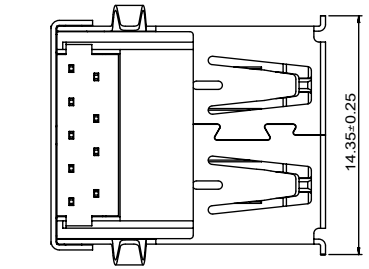
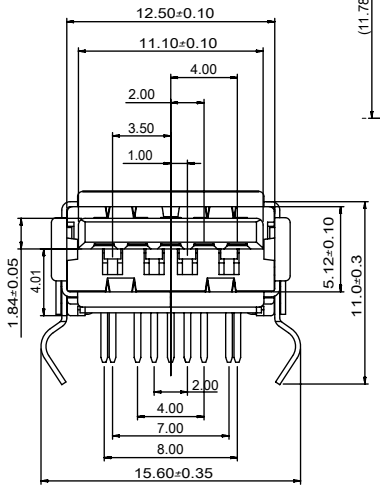
Pin Number	Signal Name	Description
1	VBUS	Power
2	D-	USB2.0 differential pair
3	D+	
4	GND	Ground for power return
5	StdA_SSRX-	SuperSpeed receiver defferential pair
6	StdA_SSRX+	
7	GND_DRAIN	Ground for signal return
8	StdA_SSTX-	SuperSpeed transmitter differential pair
9	StdA_SSTX+	
Shell	Shield	Connector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

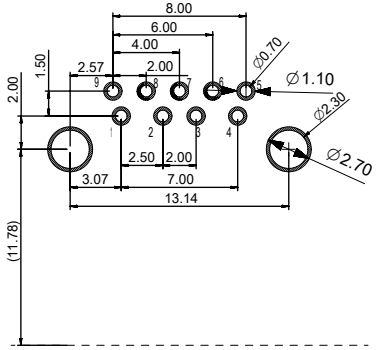
USB3.0 Standard-A Connector
Pin Assignrments











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

NOTES:
1.MATERIAL:
HOUSING: THERMOPLASTIC, GLASS FIBER FILLED,
HALOGEN FREE, COLOR: BLUE UL94-HB,
OR BLACK UL94-V0,
COVER: THERMOPLASTIC, GLASS FIBER FILLED,
HALOGEN FREE, COLOR:BLUE UL94-HB,
OR BLACK UL94-V0,
USB2.0 CONTACT: COPPER ALLOY.
USB3.0 CONTACT: COPPER ALLOY.
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.
3. PRODUCT SPECIFICATION REFERS TO PS-48405-001
4. PACKAGE SPECIFICATION REFERS TO PK-48405-001
5. TEST SUMMARY REFERS TO TS-48405-001
6. LEAD FREE AND RoHS COMPLIANT PRODUCT.
7. DATE CODE: XX XX X
YEAR WEEK DAY

TABLE

MOLEX P/N	PLATING
48405-0001	30u" Au Min
48405-0002	2u" Au &30u"Pd-Ni
48405-0003	15u" Au Min
48405-0004	GOLD FLASH(3u" Au MIN.)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CORRECT CH TO 4.01	2016/06/26	2016/10/18
EC NO: 106879		
DRWN: FYANG05		
CHK'D:		
APPR: RZHANG		

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ±		°
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.2
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV: B

DIMENSION UNITS: MM
SCALE: 1:1
DRWN BY: FYANG05 DATE: 2013/10/19
CHK'D BY: DATE:
APPR BY: DATE:
DRAWING SIZE: A4
THIRD ANGLE PROJECTION

molex®

USB3.0 A TYPE,T/H
RIGHT ANGLE CONTACT HEIGHT:4.01

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
48405	SEE TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-48405-001	PSD	000	1 OF 1

RELEASE STATUS		RELEASE DATE	

FORMAT: master-tb-prod-A4
REVISION: G
DATE: 2015/12/14