

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 differential 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 Assignments

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.

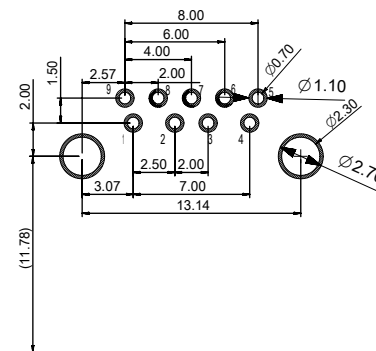
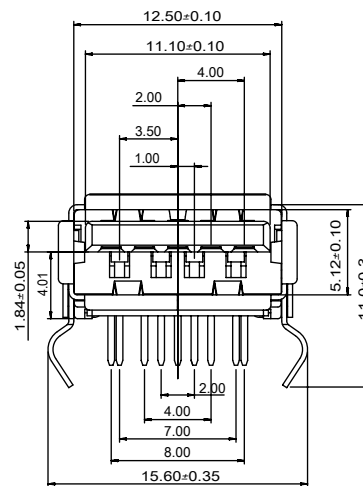
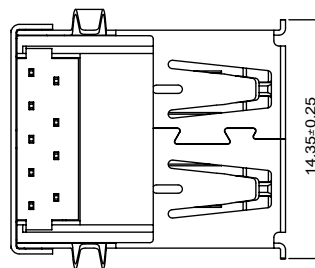
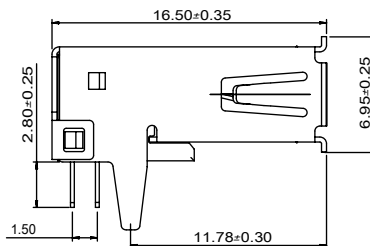
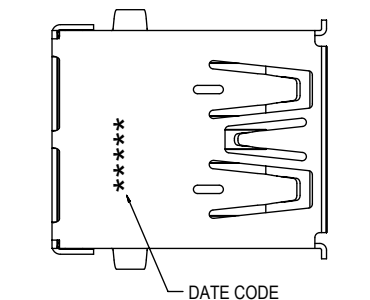
3. PRODUCT SPECIFICATION REFERS TO PS-48405-001

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: X X X X X  
YEAR WEEK DAY



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

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(30u" 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 EC NO: 106879 DRWN: FYANG05 CHK'D: REV	2016/06/26	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE		
	2016/10/18		MM	1:1		
	REV		ANGULAR TOL ±	DRWN BY		DATE
	APPR: RZHANG		4 PLACES ±	FYANG05		2013/10/19
			3 PLACES ±	CHK'D BY	DATE	
			2 PLACES ± 0.2	APPR BY	DATE	
			1 PLACE ± 0.25	DRAWING SIZE	THIRD ANGLE PROJECTION	
			0 PLACES ±	A4		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
B		SD-48405-001		DOC TYPE	DOC PART	
				PSD	000	
				DOC PART	SHEET NUMBER	
				000	1 OF 1	

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

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
48405	SEE TABLE	GENERAL MARKET

RELEASE STATUS	RELEASE DATE