

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex	
DIMENSION UNITS	SCALE				
mm	1:1			TYPE C 16 PIN MIDDLE MOUNT CH 0.52	
GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT CUSTOMER DRAWING	
ANGULAR TOL	± 3.0°			DOCUMENT NUMBER	
4 PLACES	±	EC NO: 654657	2021/01/19	2169900002	
3 PLACES	± 0.1	DRWN: RZHANG	2021/02/05	DOC TYPE	DOC PART
2 PLACES	± 0.2	CHK'D: AYIN	2021/02/05	PSD	000
1 PLACE	± 0.3	APPR: AYIN		REVISION	A
0 PLACES	±	INITIAL REVISION:			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: RZHANG	2021/01/19		
THIRD ANGLE PROJECTION		APPR: AYIN	2021/02/05		
DRAWING		SERIES	MATERIAL NUMBER	CUSTOMER	
A3-SIZE		216990	SEE CHART		
SHEET NUMBER				1 OF 2	

NOTES:

1.MATERIAL SPECIFICATION:

- 1.1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 1.2.CONTACTS:COPPER ALLOY
- 1.3.MIDDLE CLIP: STAINLESS STEEL
- 1.4.SHELL: STAINLESS STEEL

2.PLATING:

2.1 TERMINAL:OVERALL PLATING Ni BASE 50u' MIN.

FUNCTIONAL AREA Au PLATING G/F

SOLDER AREA Au PLATING G/F

2.2. SHELL: SOLDERABLE NICKEL 50u' PLATING OVERALL.

2.3. MIDDLE CLIP :CLEANING

3. PRODUCT SPEC: 2169900001

4. PACKAGE SPEC:SEE TABLE

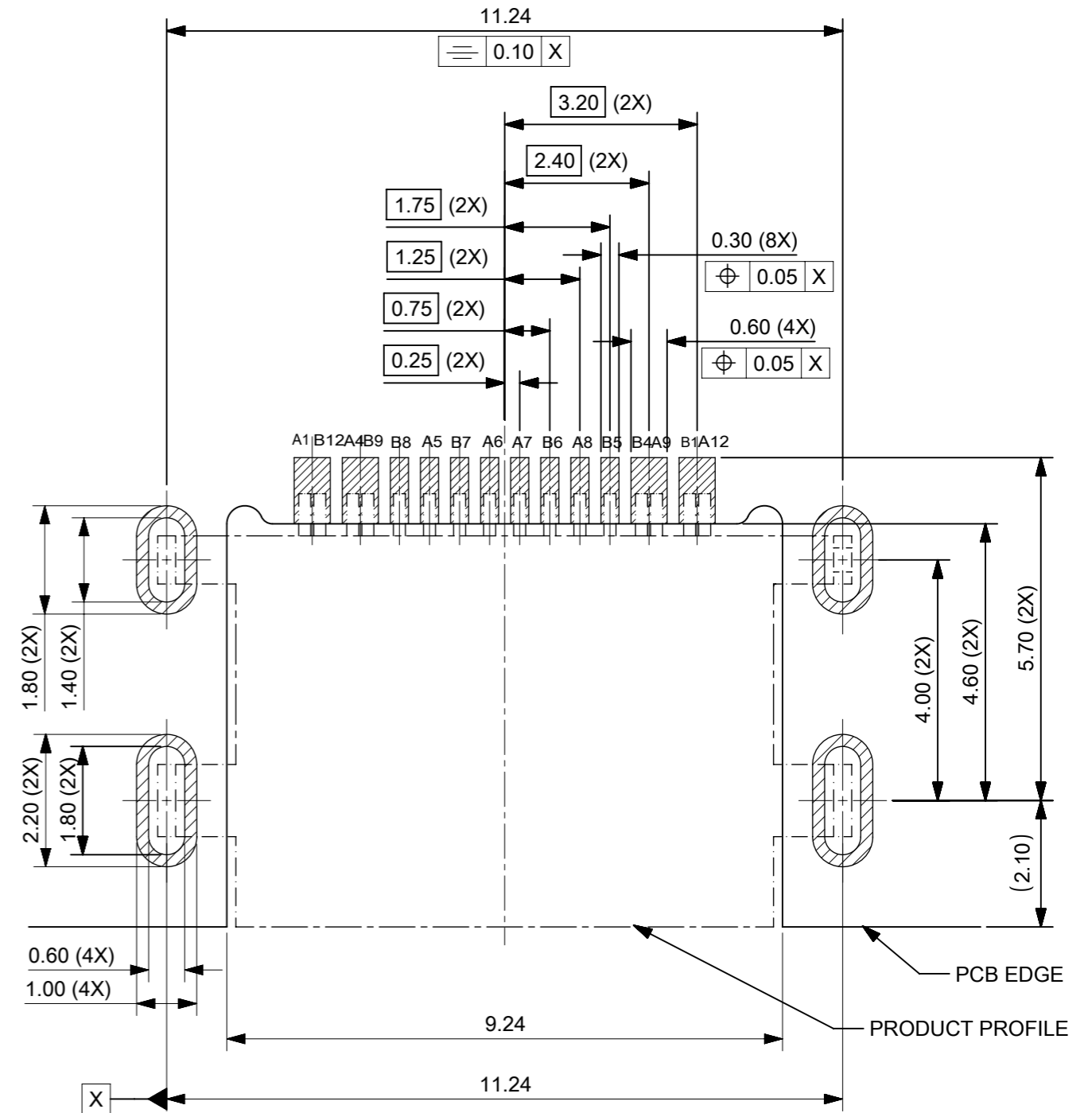
5. PRODUCT COMPIANT TO ROHS DIRECTIVE 2011/95/EU

6. PLEASE CONTACT YOUR SALES REPRESENTATIVE IF INTENDED FOR AUTOMOTIVE

7. DATE CODE: YY WW D
YEAR WEEK DAY

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

Table

PART NO.	DIM X	DIM Y	PLATING DESCRIPTION	PACKAGE SPEC
2169900002	0.78	0.80	SEE NOTE 2(1) FOR CONTACT AREA	2169900002PDDPK1
2169900003	0.58	1.00	SEE NOTE 2(1) FOR CONTACT AREA	2169900003PDDPK1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex	
DIMENSION UNITS mm	SCALE 1:1	EC NO: 654657			
GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: RZHANG		TYPE C 16 PIN MIDDLE MOUNT CH 0.52	
ANGULAR TOL ± 3.0°		2021/01/19		PRODUCT CUSTOMER DRAWING	
4 PLACES ±		CHK'D: AYIN		DOCUMENT NUMBER	
3 PLACES ± 0.1		APPR: AYIN		2169900002	
2 PLACES ± 0.2		INITIAL REVISION:		DOC TYPE	DOC PART
1 PLACE ± 0.3		DRWN: RZHANG		PSD	000
0 PLACES ±		APPR: AYIN		REVISION	A
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	216990	CUSTOMER
					SEE CHART
					SHEET NUMBER
					2 OF 2