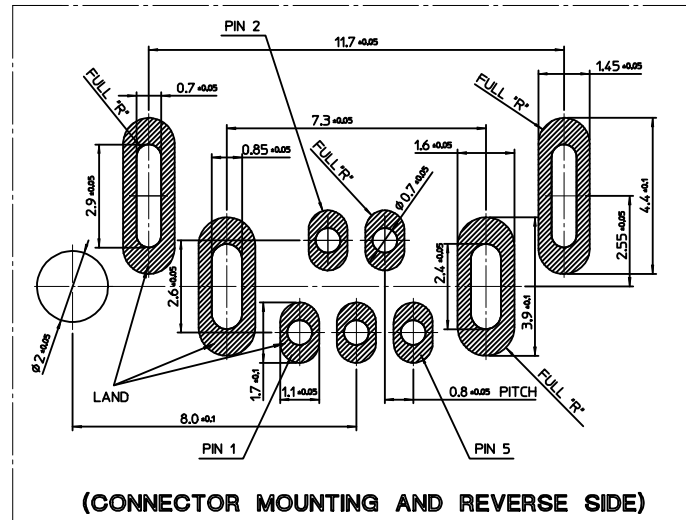
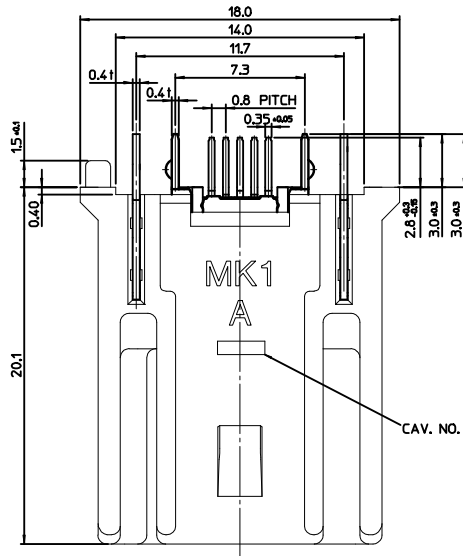
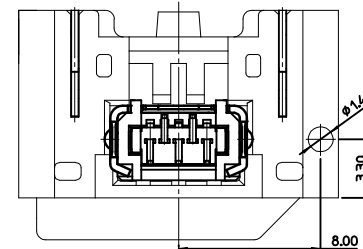
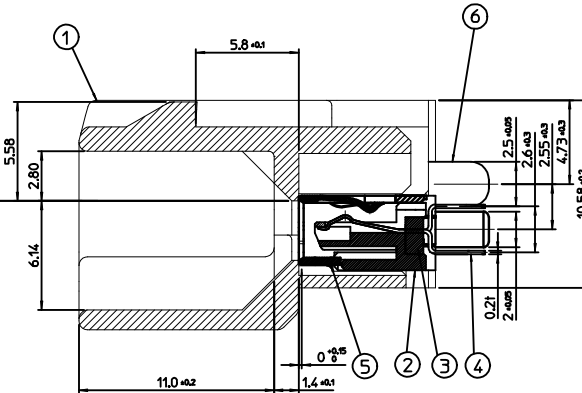
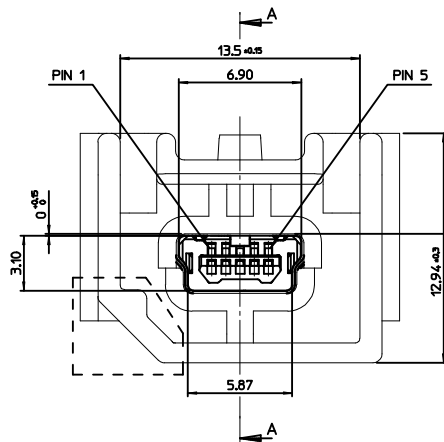




RECOMMENDED PCB LAYOUT



<TABLE 1>

MATERIAL NO.	ORDER NO.	COLOR	PACKING	PACKING INFO.
1040040901	104004-0901	BLACK	TRAY	PK-104004-003
1040040902	104004-0902	BLACK	ST TRAY	PK-104004-004
1040040903	104004-0903	BLACK	EMBOSS	PK-104004-005

<PARTS LIST>

NO.	PART NAME	MATERIAL
1	SHROUD-A	LCP, GLASS FILLED, UL94 V-0
2	RECEPTACLE HOUSING	LCP, GLASS FILLED, UL94 V-0
3	CONTACT HOUSING	LCP, GLASS FILLED, UL94 V-0
4	CONTACT TERMINAL	COPPER ALLOY
5	SHIELD CASE	PHOSPHOR BRONZE
6	BOARD LOCKS PIN	BRASS

REVISED	EC NO: KTR2015-0098	DATE: 2015/04/27
DRW: JYCHOI	CHKD: JYCHOI	DATE: 2015/05/04
APPR: JYCHOI	DATE: 2015/05/04	

QUALITY SYMBOLS

▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± 0.15	± 0.006
3 PLACES	± 0.10	± 0.004
2 PLACES	± 0.05	± 0.002
1 PLACE	± 0.25	± 0.010

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY: S.M.KIM
DATE: 2009/06/17
CHECKED BY: B.C.YOON
DATE: 2009/06/17
APPROVED BY: JYCHOI
DATE: 2013/01/07

MATERIAL NO.: SEE TABLE 1
SIZE: A2

SCALE

5:1

DESIGN UNITS

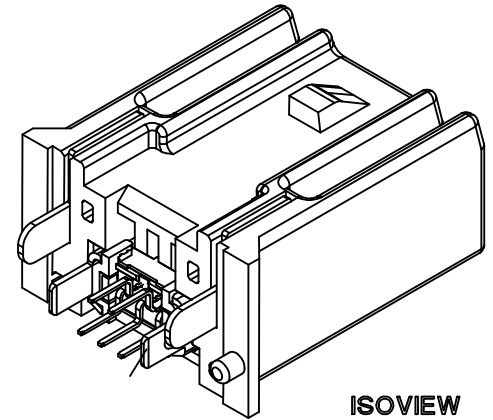
METRIC

THIRD ANGLE PROJECTION

USCAR USB MINI B CONN
VERTICAL A
(LONG TERMINAL VERSION)

MOLEX INCORPORATED

DOCUMENT NO.: SD-104004-006
SHEET NO.: 1 OF 2



ISOVIEW

NOTE

- MATES WITH :
(MOLEX SERIES NO. - 111014, 111015, 111005, 111041, 111019, 111020)
- SHROUD GEOMETRY AND ASSEMBLY WITH USB MINI-B CONNECTOR ARE ACCORDING TO USCAR STD 999-U-USB-Z01
- FINISHES
- TERMINAL :
CONTACT AREA : Au 0.754m MIN.
SOLDER TAIL AREA : TIN 3.84m MIN.
UNDER PLATING : NI 1.04m MIN.
- SHIELD CASE :
3.04m MIN. TIN OVER NI 1.04m MIN.
- FITTING NAIL :
3.04m MIN. TIN OVER NI 1.04m MIN.
- UNLESS OTHERWISE SPECIFIED, TYPICAL RECOMMENDED PCB MANUFACTURING TOLERANCE IS ±0.05
- PACKAGING IS TRAY :
-STD. TYPE : 48 PCS/TRAY, 5 TRAY/TRAY BOX, 240 PCS/TRAY BOX, 960 PCS/CARTON BOX
-ST TYPE : 32 PCS/TRAY, 3 TRAY/TRAY BOX, 96 PCS/TRAY BOX, 384 PCS/CARTON BOX
- PACKING IS EMBOSS:
"SEE SHEET 2 OF 2 OF THIS PRINT."
- PRODUCT SPECIFICATION : PS-49616-001
- PCB THICKNESS : 2.36mm(REFERENCE)

7

6

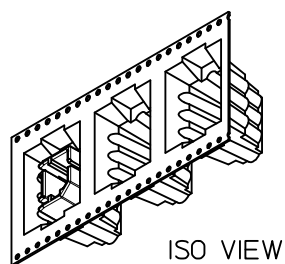
5

4

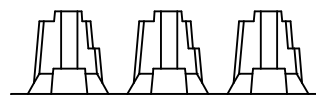
3

2

1



ISO VIEW

28.00 ±0.10
PITCH

15.11

9.2

Z

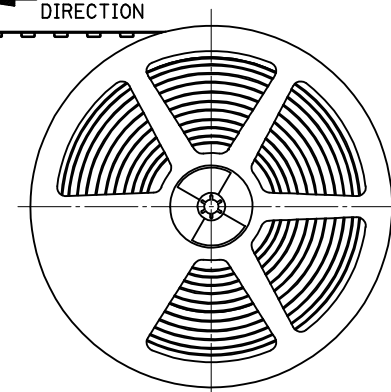
7.50

(23.60)

21.46

30.92

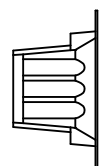
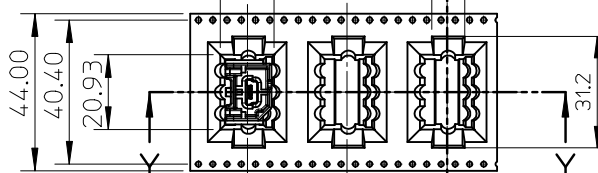
SECTION Z-Z

PULL OUT
DIRECTION

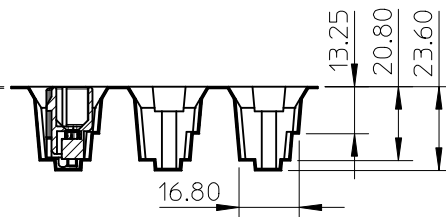
PLASTIC BOBBIN

380

45.5

PULL OUT
DIRECTION

EMBOSS TAPE

0.60
THICKNESS

SECTION Y-Y

NOTES

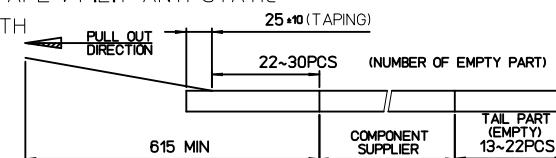
1. QUANTITY OF CONNECTORS: 120EA/REEL

2. MATERIAL

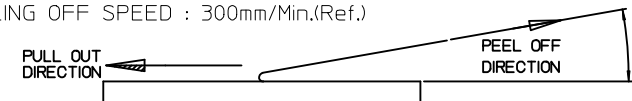
- PLASTIC BOBBIN : PS

- CARRIER TAPE : P.E.T ANTI-STATIC

3. LEAD LENGTH

4. PEELING OFF FORCE OF COVER TAPE :0.1N~0.59N(10.2GF~60GF)
(PEELING DIRECTION AS SHOW IN FOLLOW FIG.)

PEELING OFF SPEED : 300mm/Min.(Ref.)



5. FLASH IN ANY PORTION SHOULD BE LESS THAN 0.20mm MAX.

ADDED OPTION EC NO: KTR2015-0089 DRWN:YIBAOK CHKD: APPR:JYCHOI 2015/04/18 2015/04/27		DESCRIPTION REV	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 1:2	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
					mm	INCH	DRAWN BY YIBAOK	DATE 2015/04/18	TITLE USCAR USB MINI B CONN VERTICAL A (LONG TERMINAL VERSION)			
				4 PLACES	± ---	± ---	CHECKED BY	DATE				
				3 PLACES	± ---	± ---						
				2 PLACES	± 0.15	± ---			molex			
				1 PLACE	± 0.25	± ---						
				0 PLACE	± ---	± ---						
				ANGULAR ± 1 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-104004-006		2 OF 2	
A2							SIZE A4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

6

5

4

3

2

1