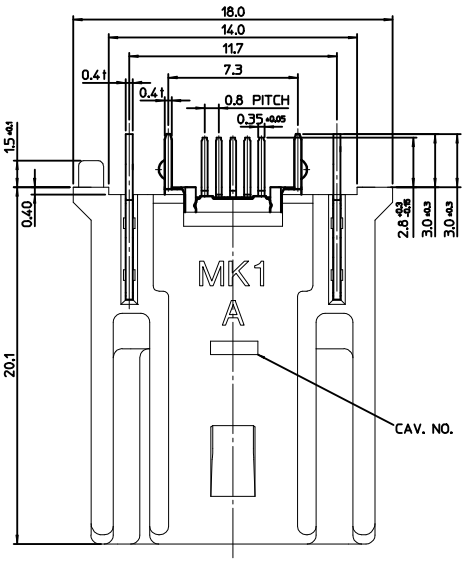
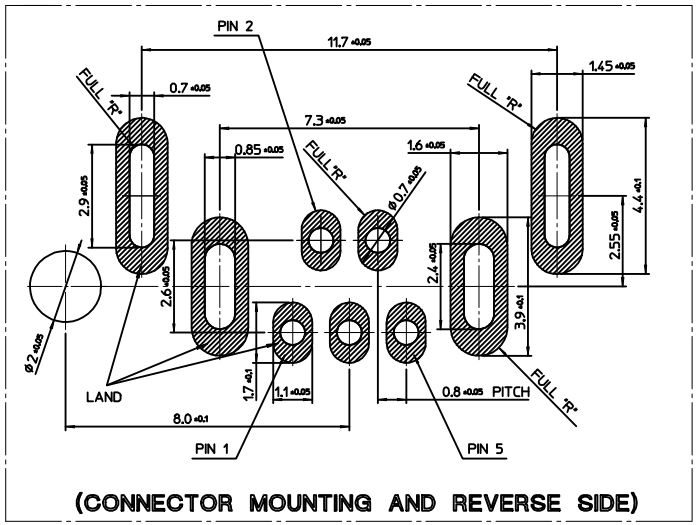
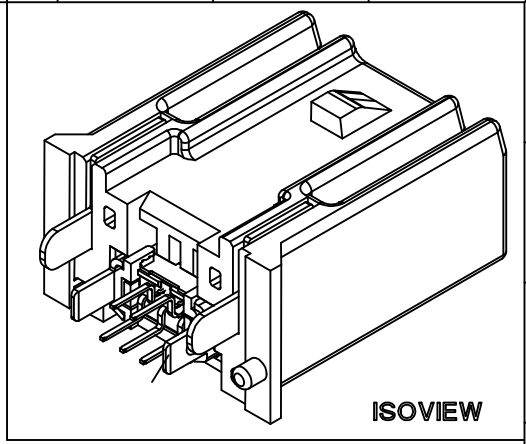
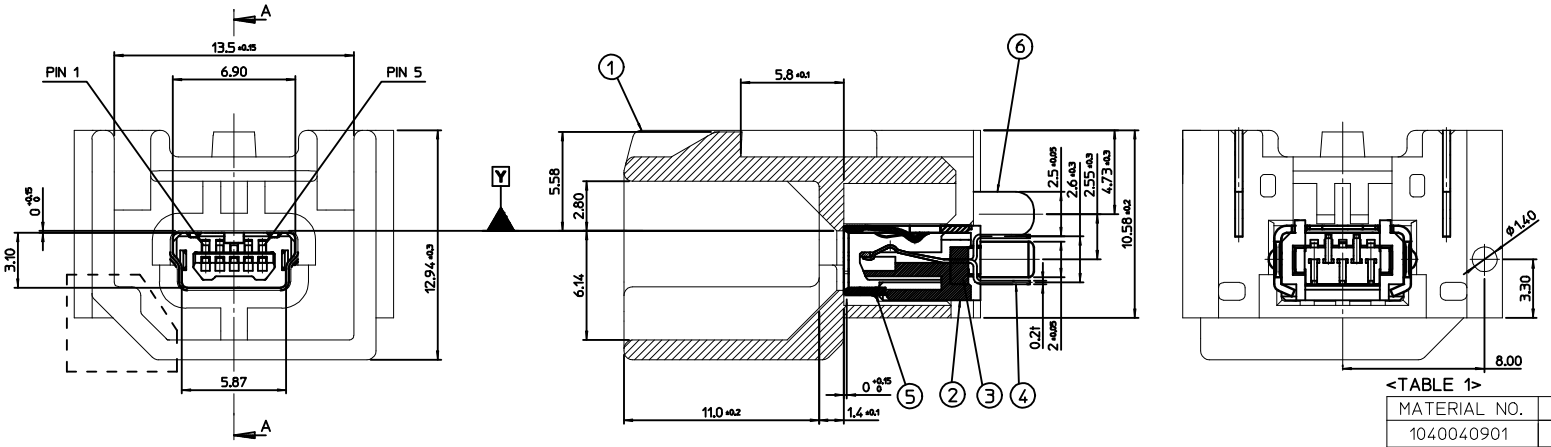


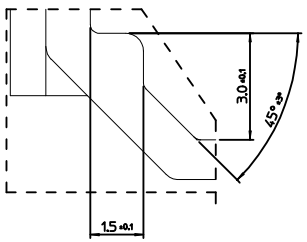


(CONNECTOR MOUNTING AND REVERSE SIDE)

RECOMMENDED PCB LAYOUT







NOTE
1. MATES WITH :
   (MOLEX SERIES NO. - 111014, 111015, 111005, 111041, 111019, 111020)
2. SHROUD GEOMETRY AND ASSEMBLY WITH USB MINI-B CONNECTOR ARE ACCORDING TO USCAR STD 999-U-USB-Z01
3. FINISHES
   - TERMINAL :
     CONTACT AREA : Au 0.75μm MIN.
     A3 SOLDER TAIL AREA : TIN 3.8μm MIN.
     UNDER PLATING : NI 1.0μm MIN.
   - SHIELD CASE :
     3.0μm MIN. TIN OVER NI 1.0μm MIN.
   - FITTING NAIL :
     3.0μm MIN. TIN OVER NI 1.0μm MIN.
4. UNLESS OTHERWISE SPECIFIED, TYPICAL RECOMMENDED PCB MANUFACTURING TOLERANCE IS ±0.05
5. 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)
6. PACKING IS EMBOSS:
   "SEE SHEET 2 OF 2 OF THIS PRINT."
7. PRODUCT SPECIFICATION : PS-49616-001
8. PCB THICKNESS : 2.36mm(REFERENCE)

<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 2015/04/27
DRWN: YIBAEK
CHKD:
APPR: JYCHOI 2015/05/04
DESCRIPTION
REV
A3

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

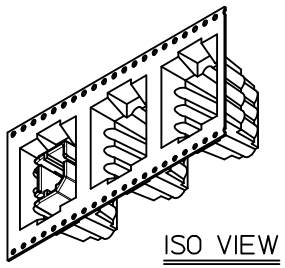
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

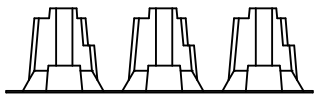
DIMENSION STYLE: MM ONLY	SCALE: 5:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: S.M.KIM DATE: 2009/06/17	TITLE: USCAR USB MINI B CONN VERTICAL A (LONG TERMINAL VERSION)		
CHECKED BY: B.C.YOON DATE: 2009/06/17			
APPROVED BY: JYCHOI DATE: 2013/01/07	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE TABLE 1	DOCUMENT NO.: SD-104004-006	SHEET NO.: 1 OF 2	

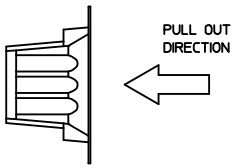
SIZE A2

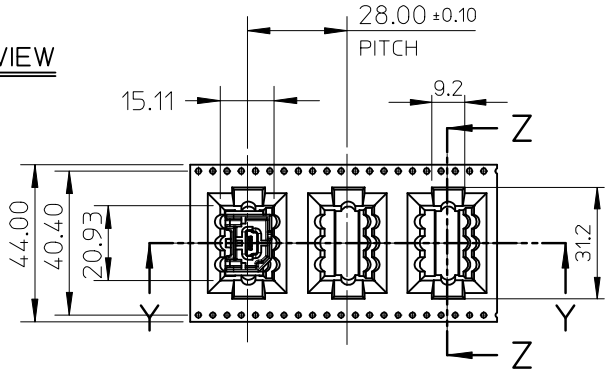
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



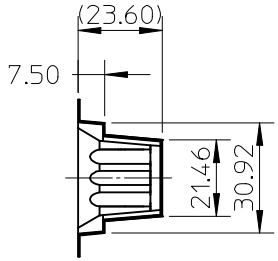
ISO VIEW



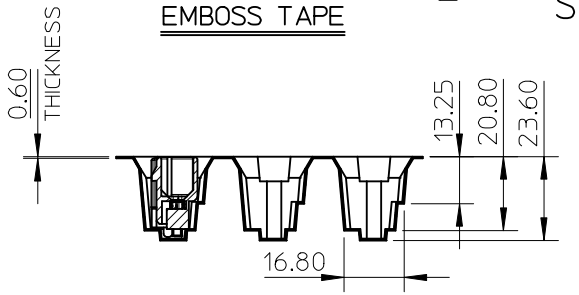




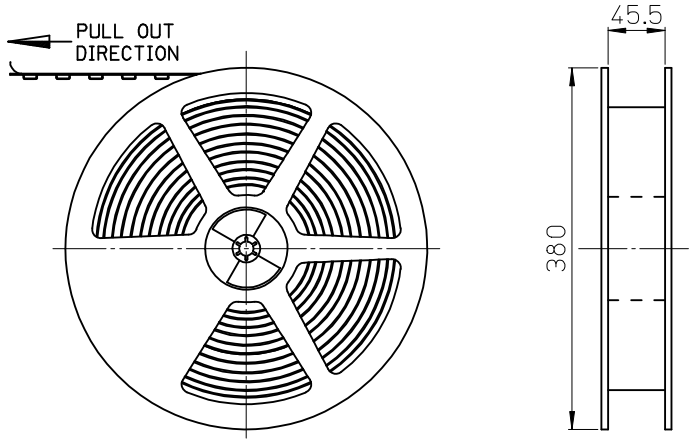
EMBOSS TAPE



SECTION Z-Z



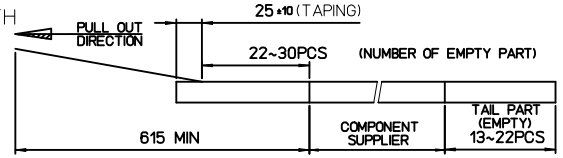
SECTION Y-Y



PLASTIC BOBBIN

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 2015/04/18
DRWN: YIBAEK 2015/04/18
CH'KD:
APPR: JYCHOI 2015/04/27
DESCRIPTION
A2
REV

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_P}$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	1:2
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	YIBAEK 2015/04/18
CHECKED BY / DATE	
APPROVED BY / DATE	JYCHOI 2015/04/27
MATERIAL NO.	SEE TABLE
TITLE	USCAR USB MINI B CONN VERTICAL A (LONG TERMINAL VERSION)
DOCUMENT NO.	SD-104004-006
SHEET NO.	2 OF 2
SIZE	A4

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