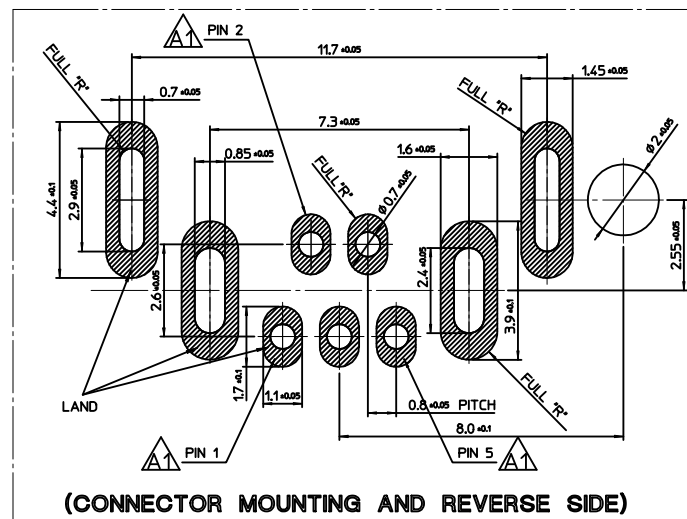
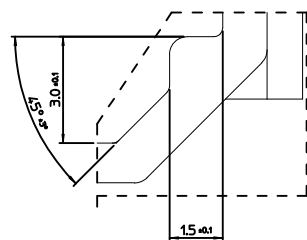
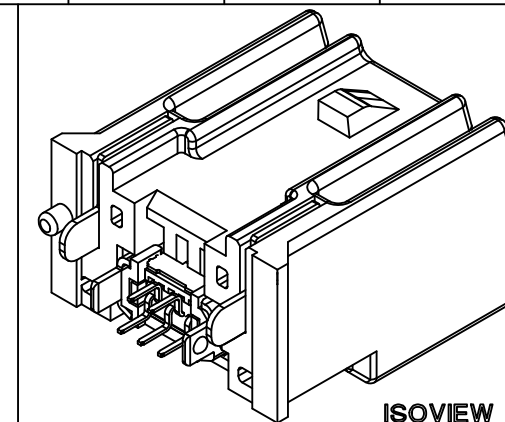
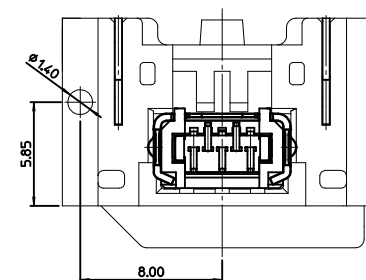
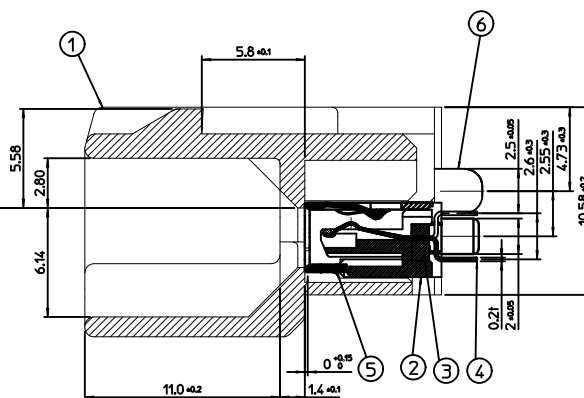




RECOMMENDED PCB LAYOUT



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 0.75 μ m MIN.
SOLDER TAIL AREA : TIN 1.0 μ m MIN.
UNDER PLATING : NI 1.0 μ m MIN.
 - SHIELD CASE :
3.0 μ m MIN. TIN OVER NI 1.0 μ m MIN.
 - FITTING NAIL :
3.0 μ m MIN. TIN OVER NI 1.0 μ m MIN.
4. UNLESS OTHERWISE SPECIFIED, TYPICAL
RECOMMENDED PCB MANUFACTURING
TOLERANCE IS ± 0.05
5. PACKAGING IS TRAY :
(48 PCS/TRAY, 5 TRAY/TRAY BOX,
240 PCS/TRAY BOX, 960 PCS/CARTON BOX)
6. PRODUCT SPECIFICATION : PS-49616-001
7. PACKAGING INFORMATION : PK-104004-001
8. PCB THICKNESS : 1.6mm(REFERENCE)



<TABLE 1>

MATERIAL NO.	ORDER NO.	COLOR
1040040505	104004-0505	GRAY

<PARTS LIST>

NO.	PART NAME	MATERIAL
1	SHROUD-B	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

A1	ADDED PIN LOCATION EC NO: KOR2011-0037 DRWN:EOKIM 2010/09/28 CHKD:BCY00N 2010/09/28 APPR:YIINSJKIM 2010/09/29
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QUALITY SYMBOLS

DESCRIPTION	
	 = 0
	 = 0

EV	DE
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GENERAL TOLERANCES (UNLESS SPECIFIED)	FR	INCH
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	mm	INCH
4 PLACES	$\pm .005$	$\pm .0004$
3 PLACES	$\pm .005$	$\pm .0004$
2 PLACES	$\pm .010$	$\pm .0008$
1 PLACE	$\pm .020$	$\pm .0016$
ANGULAR $\pm 1^\circ$		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE

S.M.KIM	2009/06/11
CHECKED BY	DATE
B.C.YOON	2009/06/11
APPROVED BY	DATE
E.H. JUNG	2009/06/11

E	MATERIAL NO.	SEE TABLE 1
	SIZE	THIS DRAWING CONTAINS

SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE		

USCAR USB MINI B CONN
VERTICAL B

MOLEX INCORPORATED

DOCUMENT NO. SD-104004-002	SHEET NO. 1 OF 1
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CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX