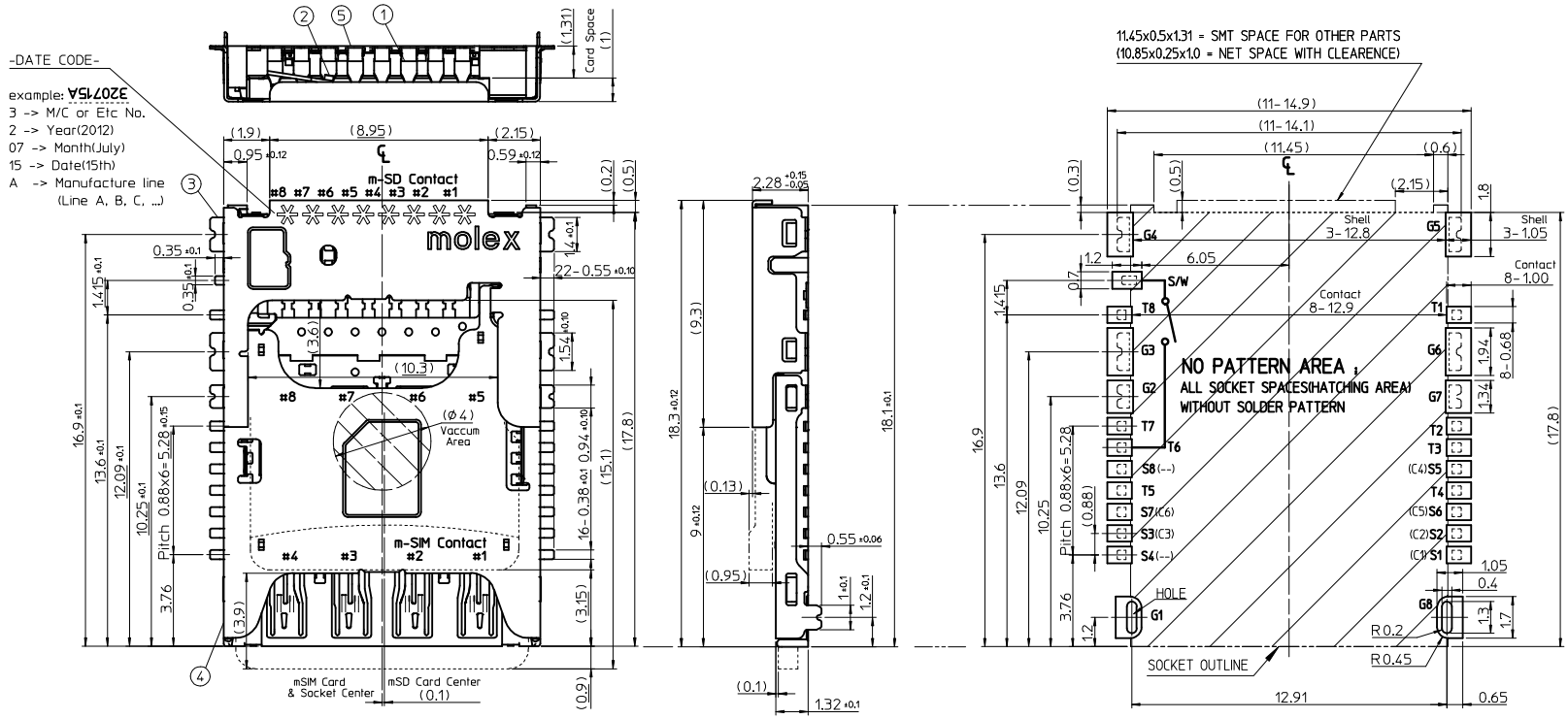
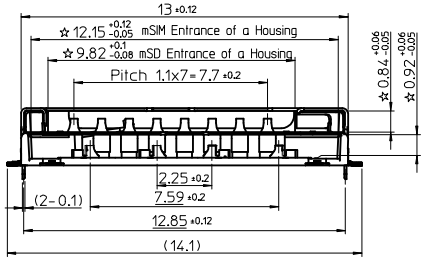
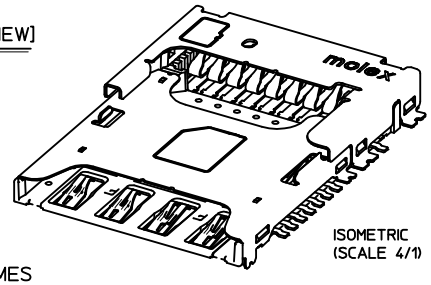




RECOMMENDED PCB LAYOUT [FRONT VIEW]

(TOLERANCE : ±0.05)



ISOMETRIC (SCALE 4/1)

[microSIM CARD PIN-MAP]

8P	6P	DESCRIPTION
S1	C1	Vcc(Supply V)
S2	C2	RST(Reset)
S3	C3	CLK(Clock)
S4	--	Reserved
S5	C4	GND
S6	C5	Vpp(Program V)
S7	C6	I/O
S8	--	Reserved
G1~G8		GND

[microSD CARD PIN-MAP]

PIN NO.	DESCRIPTION
T1	DAT2
T2	CD/DAT3[2]
T3	CMD
T4	VDD
T5	CLK
T6	Vss (GND)
T7	DAT0
T8	DAT1
S/W	CARD DETECTOR

NOTES

1. MATERIALS: SEE TABLE
2. FINISHES: SEE TABLE
3. MATES WITH
   - UPPER: microSD Card
   - LOWER: Micro SIM(UICC) Card
4. PRODUCT SPECIFICATIONS: PS-104168-001
5. PACKING SPECIFICATIONS: SPK-104168-001
6. COPLANARITY OF SOLDER TAILS: 0.08mm MAX. BEFORE & AFTER 260°C REFLOW 3TIMES
7. REFERENCE CARD DIMENSIONS ARE WITH STANDARD DIMENSION CARD
8. CUSTOMER'S CTF DIMENSION(☆) IS EQUAL TO MOLEX MAJOR QUALITY SYMBOL(▼)

[Circuit diagram for Detection Switch of microSD card]

Card insertion condition	Card detect switch	Circuit mSD #6pin Switch terminal
Without Card	Open	
Card insertion	Close	

NO.	PARTS NANE	MATERIALS	FINISHES
1	CONTACT TERMINAL(16P)	COPPER ALLOY	CONTACT mSIM : GOLD 0.05㎛ MIN. OVER Pd-Ni 0.3㎛ MIN. CONTACT mSD : GOLD 0.05㎛ MIN Pd-Ni 0.2㎛ MIN. SWITCH : GOLD 0.1㎛ MIN. (Pd-Ni IS PALLADIUM NICKEL) SOLDERS : GOLD 0.03㎛ MIN. BASE : NICKEL 1.27㎛ MIN.
2	SWITCH TERMINAL	PHOSPHOR BRONZE	
3	microSD SHELL	STAINLESS STEEL	SEMI BRIGHT NICKEL 1.27㎛ MIN.
4	microSIM SHELL	STAINLESS STEEL	SEMI BRIGHT NICKEL 1.27㎛ MIN.
5	HOUSING	LIQUID CRYSTAL POLYMER	NATURAL(IVORY) COLOR, UL94V-0

0.55mm	104168-1616	1041681616
DIP LENGTH	ORDER NO.	MATERIAL NO.

RELEASED
EC NO: KOR2015-0002 2014/07/15
DRWN:EGKIM
CH'KD:SHCHU
APPR:YSKIM02 2014/12/09
DESCRIPTION
REV
A

QUALITY SYMBOLS
▼=4
Ⓒ=0

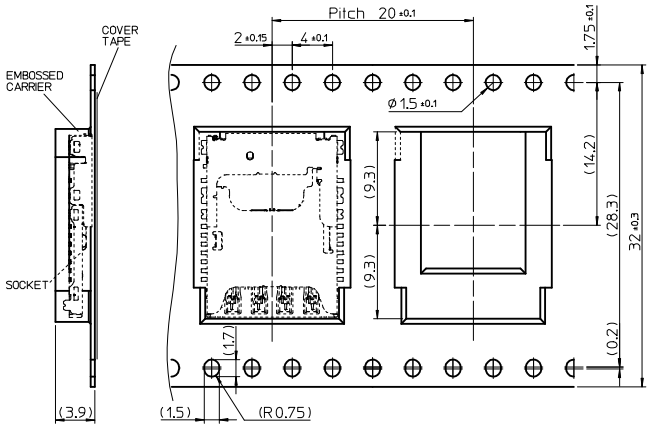
GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.12	± ---
2 PLACES	± 0.12	± ---
1 PLACE	± 0.15	± ---
0 PLACE	± ---	± ---

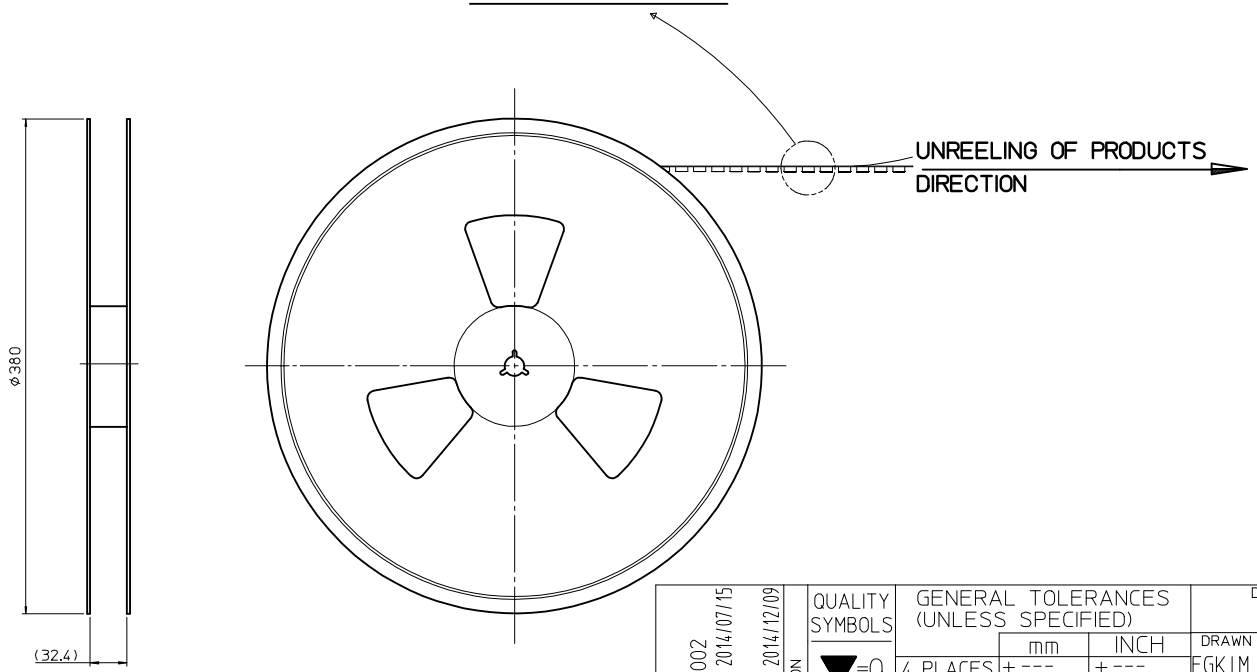
ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	5:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	EGKIM
DATE	2014/07/15
CHECKED BY	SHCHU
DATE	2014/07/15
APPROVED BY	YSKIM02
DATE	2014/12/09
MATERIAL NO.	SEE TABLE
TITLE	COMBO 2.28H PUSH-PULL MICROSD/MICROSIM 8P/8P FOR ADAPTER
	molex
DOCUMENT NO.	SD-104168-004
SHEET NO.	1 OF 2
SIZE	A3



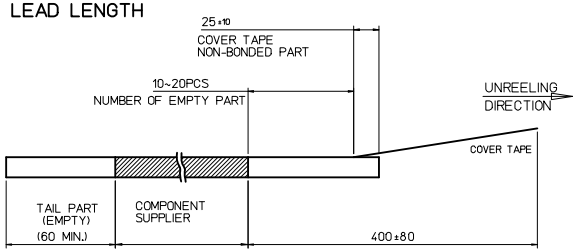
TOP VIEW OF EMBOSSED CARRIER



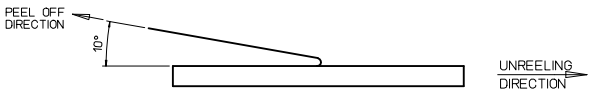
NOTES

1. QUANTITY OF PRODUCTS : 1,200 PCS / 1 REEL

2. LEAD LENGTH



3. PEELING OFF FORCE OF COVER TAPE : 0.1N~0.59N(10.2~60gf)
(PEELING DIRECTION AS BELOW)
- PEELING OFF SPEED : 300mm/Min.(Ref.)



4. MATERIALS OF EMBOSSED CARRIER AND COVER TAPE :
PET(POLYETHYLEN TEREPHTHALATE)

SEE SHEET1	EC NO: KOR2015-0002	2014/07/15
	DRWN: EGKIM	
	CHKD: SHCHU	
	APPR: YSKIM02	2014/12/09
	DESCRIPTION	
A	REV	

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.12	± ---
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0 PLACE	± ---	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	2/1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	EGKIM
DATE	2014/07/15
CHECKED BY	SHCHU
DATE	2014/07/15
APPROVED BY	YSKIM02
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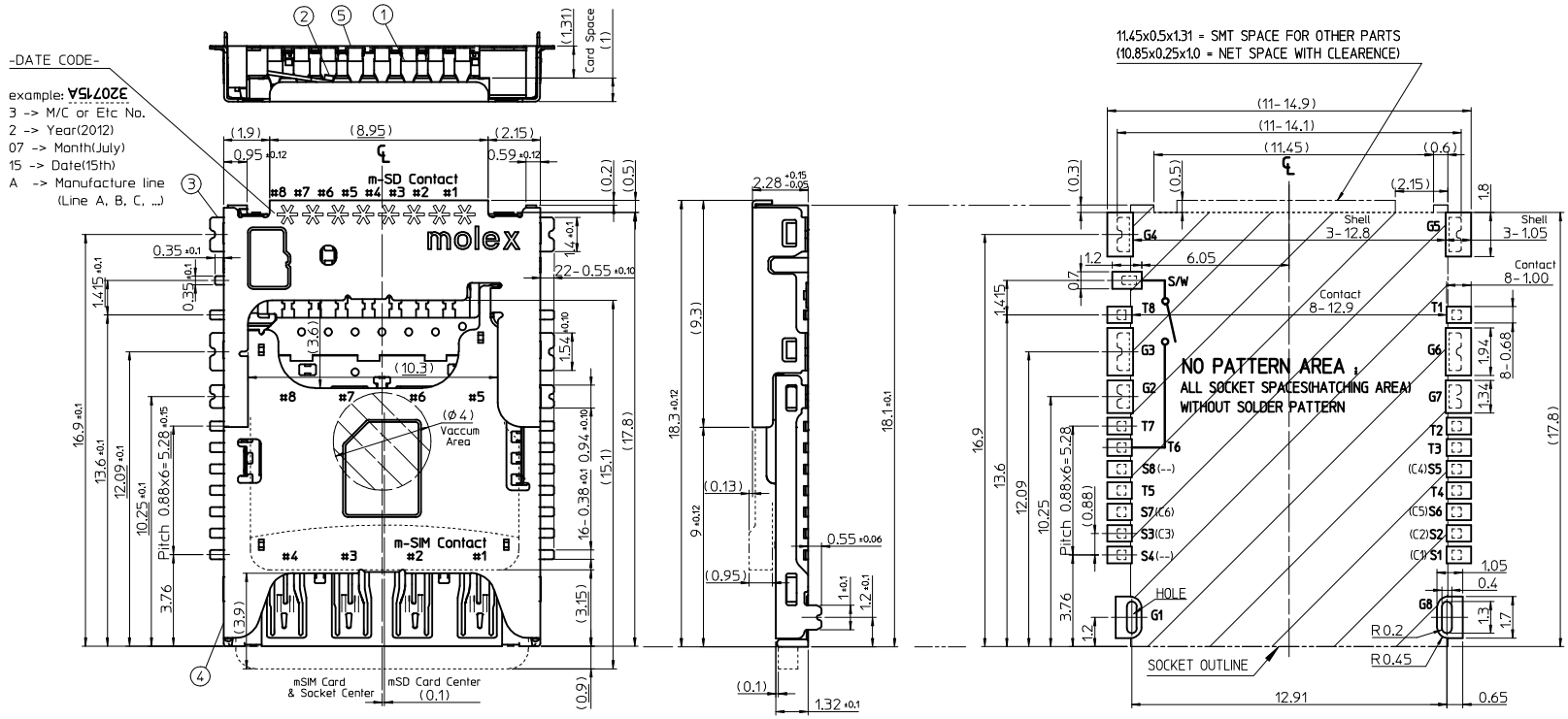
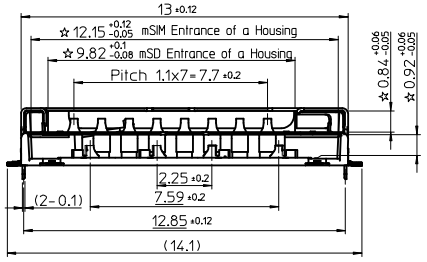
MATERIAL NO.	SEE SHEET1
DOCUMENT NO.	SD-104168-004
SHEET NO.	2 OF 2
SIZE	A3

TITLE: COMBO 2.28H PUSH-PULL MICROSD/MICROSIM 8P/8P FOR ADAPTER

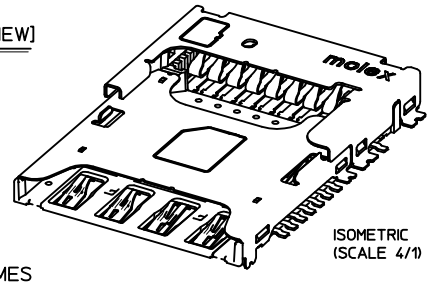
molex





RECOMMENDED PCB LAYOUT [FRONT VIEW]

(TOLERANCE : ±0.05)



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DIP LENGTH	ORDER NO.	MATERIAL NO.

RELEASED
EC NO: KOR2015-0002 2014/07/15
DRWN:EGKIM
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DESCRIPTION
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ANGULAR ± 1 °

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	THIRD ANGLE PROJECTION
DRAWN BY	EGKIM
DATE	2014/07/15
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TITLE	COMBO 2.28H PUSH-PULL MICROSD/MICROSIM 8P/8P FOR ADAPTER
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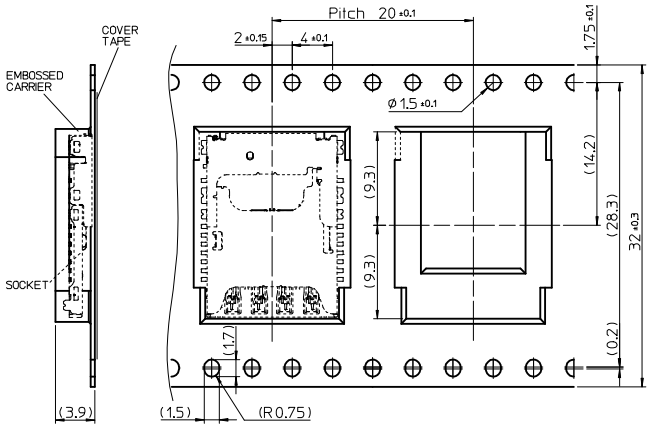
DOCUMENT NO.	SD-104168-004
SHEET NO.	1 OF 2
SIZE	A3



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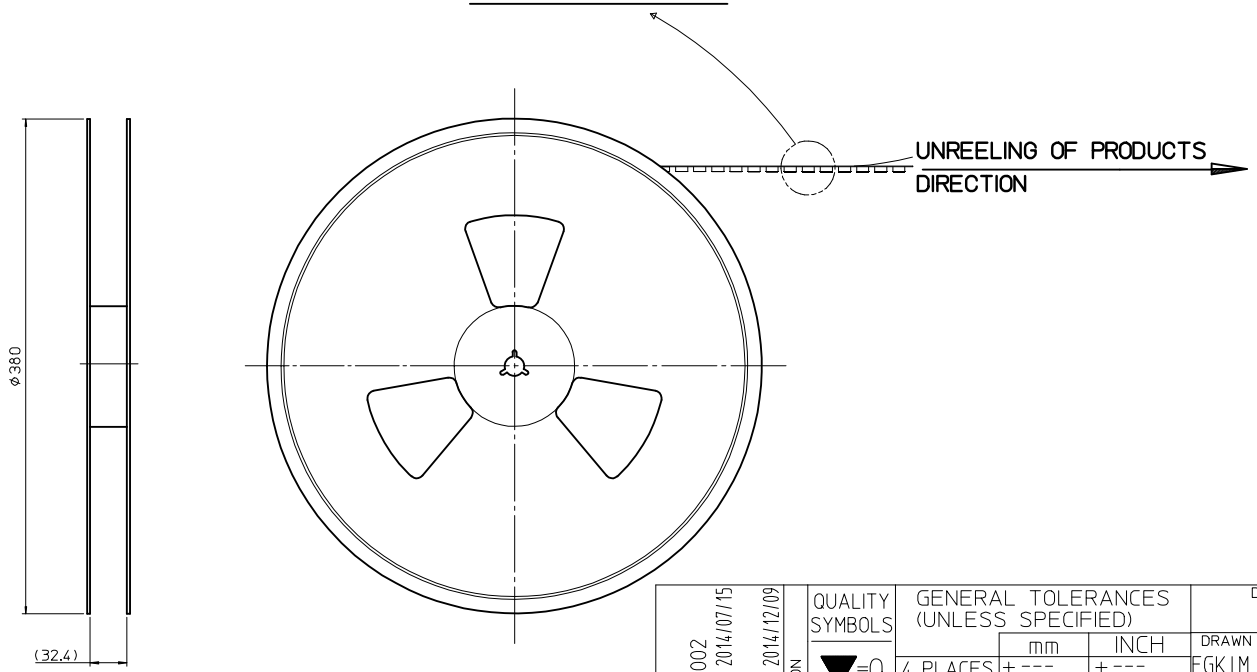

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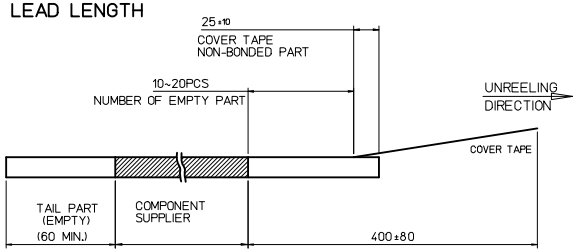

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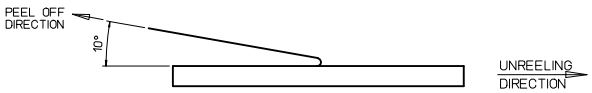

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	THIRD ANGLE PROJECTION
DRAWN BY	EGKIM
DATE	2014/07/15
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molex