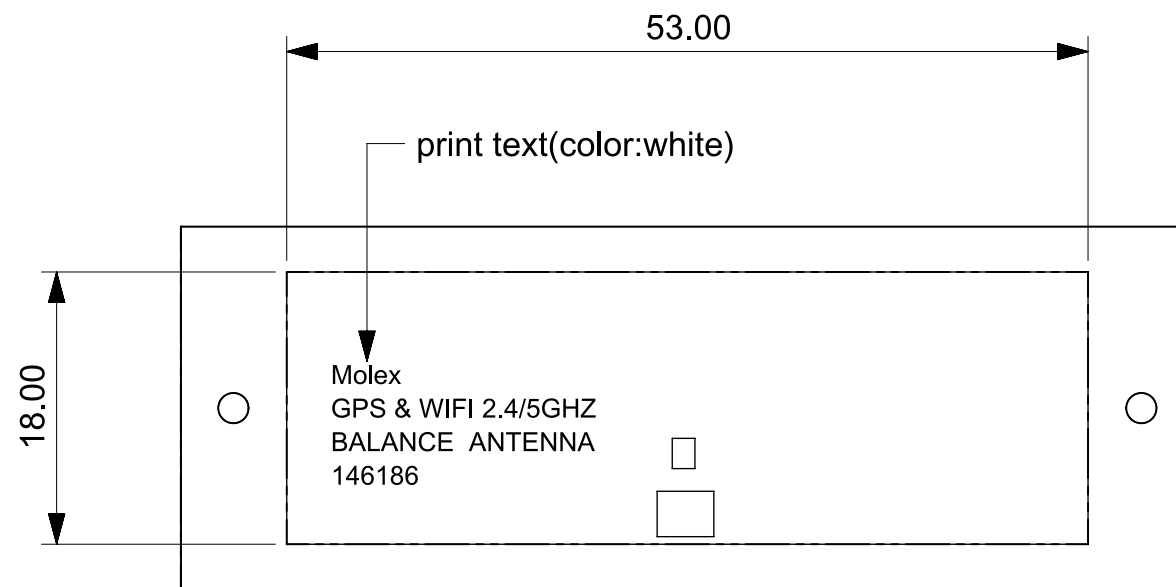


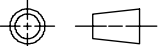
E	9		8		7		6		5		4		3		2		1	
	MOLEX					CUSTOMER			DRAWING LOCATION	CHANGE DESCRIPTION					AFFECTED DEPT			
	DRAWING NO.	REV	ECN NO.	DATA	P/N	P/N	3D REV	2D REV										
	SD-146186-050	A	ABU2015-0083	2015/06/27	1461860050					NEW RELEASE								



ITEM	ASSY P/N	DESCRIPTION
1	1461860050	Flex +50mm Cable
2	1461860100	Flex +100mm Cable
3	1461860150	Flex +150mm Cable
4	1461860200	Flex +200mm Cable
5	1461860250	Flex +250mm Cable
6	1461860300	Flex +300mm Cable

NOTE:

1. Material: Flex 83mm * 18mm
PSA: 3M 9077, PI: 12.5um, Base Copper: 18~20um
2. Tolerance on all copper artwork is +/-0.05mm.
3. Tolerance on all die cutlines is +/-0.1mm.
4. Tolerance between artwork and die cutline is +/-0.25mm. Others: +/-0.2mm
5. Ni&Au plating in the solder pad area:
Ni: 1-3 um, Au: min. 0.025 um thickness
6. Solder Mask: Black.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
EC DESCRIPTION EC NO: ABU2015-0083 DRWN: ZLRAO CHKD: Chris Yu APPR: Welson Tan	06/27/15	QUALITY SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1/2 ° 4 PLACES ± 0.0000 3 PLACES ± 0.0000 2 PLACES ± 0.000 1 PLACE ± 0.00 0 PLACES ± 0.00 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS mm	SCALE 5:1	molex								
	06/27/15			DRWN BY ZLRAO									DATE 2015/06/27	
	06/27/15			CHK'D BY Chris Yu		DATE 2015/06/27		GPS & WIFI 2.4/5GHZ BALANCE ANTENNA_ASSY						
	06/27/15			APPR BY Welson Tan		DATE 2015/06/27								
	PRODUCT DESIGN DRAWING													
	SERIES 146186			MATERIAL NUMBER See Table			CUSTOMER GENERAL MARKET							
	DOCUMENT NUMBER SD-146186-050			DOC TYPE XXX		DOC PART XXX		SHEET NUMBER 1 OF 2						
	A			REV	DRAWING SIZE A3 THIRD ANGLE PROJECTION 									

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MOLEX					CUSTOMER			DRAWING LOCATION	CHANGE DESCRIPTION	AFFECTED DEPT
DRAWING NO.	REV	ECN NO.	DATA	P/N	P/N	3D REV	2D REV			
SD-146186-050	A	ABU2015-0083	2015/06/27	1461860050					NEW RELEASE	

53.00

print text(color:white)

Molex
GPS & WIFI 2.4/5GHZ
BALANCE ANTENNA
146186

18.00

NOTE:

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PSA: 3M 9077, PI: 12.5um, Base Copper: 18~20um

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4.Tolerance between artwork and die cutline
is +/-0.25mm.Others: +/-0.2mm

5.Ni&Au plating in the solder pad area:
Ni: 1-3 um, Au: min. 0.025 um thickness

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ITEM	ASSY P/N	DESCRIPTION
1	1461860050	Flex +50mm Cable
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EC DESCRIPTION EC NO: ABU2015-0083 DRWN: ZLRAO CHK'D: Chris Yu APPR: Welson Tan	06/27/15 06/27/15 06/27/15	QUALITY SYMBOLS = 0 = 0 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex	
			ANGULAR TOL ± 1/2 °		mm	5:1		
			4 PLACES	± 0.00000	DRWN BY	DATE		GPS & WIFI 2.4/5GHZ BALANCE ANTENNA_ASSY
			3 PLACES	± 0.0000	CHK'D BY	DATE		
			2 PLACES	± 0.000	Chris Yu	2015/06/27		
			1 PLACE	± 0.00	APPR BY	DATE		
			0 PLACES	± 0.00	Welson Tan	2015/06/27		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION		PRODUCT DESIGN DRAWING
		A3		SERIES	MATERIAL NUMBER	CUSTOMER		
				146186	See Table	GENERAL MARKET		
				DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
				SD-146186-050		XXX	XXX	1 OF 2

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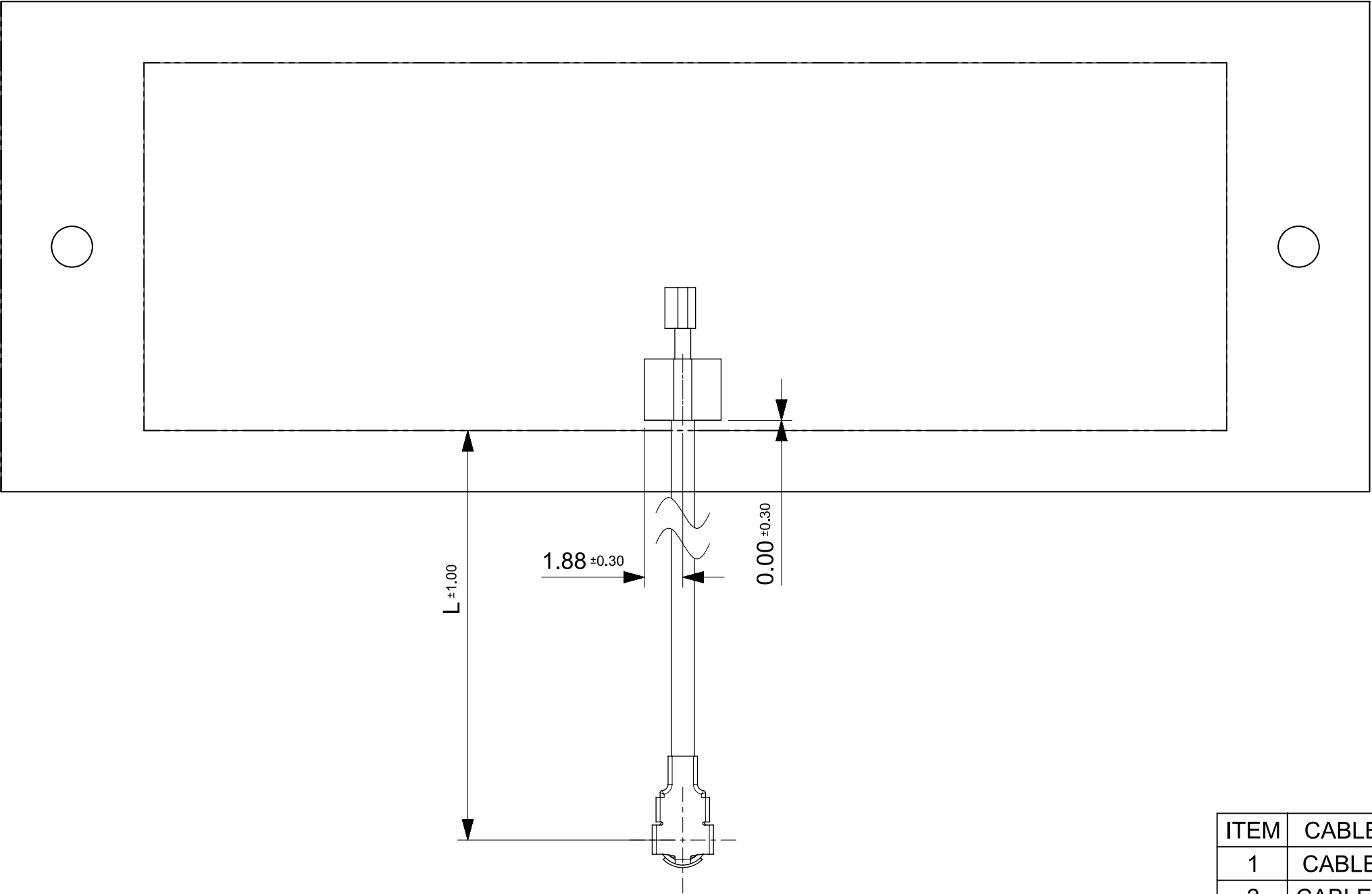
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ITEM	CABLE TYPE	CABLE LENGTH "L"
1	CABLE 50MM	43MM
2	CABLE 100MM	93MM
3	CABLE 150MM	143MM
4	CABLE 200MM	193MM
5	CABLE 250MM	243MM
6	CABLE 300MM	293MM

NOTE:
1.The dimesndion with tolerance in box should be controled by flex supplier and tolerance of other dimension ± 0.2mm
2.The cable line can not be rotated with the weld point for more than 60 degrees.
3. For pull test, can not lift up in the vertical direction
4.After RF test, please use the cap to protection connector, the cap material:PVC,type:FP EC3.0-10(0.9)

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EC DESCRIPTION EC NO: ABU2015-0083 DRWN: ZLRAO CHK'D: Chris Yu APPR: Welson Tan	06/27/15 06/27/15 06/27/15	QUALITY SYMBOLS ▽A = 0 ▽C = 0 ▽B = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS mm		SCALE 4:1		molex								
			ANGULAR TOL ± 1/2 °		DRWN BY ZLRAO		DATE 2015/06/27										
			4 PLACES ± 0.00000		CHK'D BY Chris Yu		DATE 2015/06/27		GPS & WIFI 2.4/5GHZ BALANCE ANTENNA_ASSY								
			3 PLACES ± 0.0000		APPR BY Welson Tan		DATE 2015/06/27										
			2 PLACES ± 0.000		PRODUCT DESIGN DRAWING		SERIES 146186			MATERIAL NUMBER See Table			CUSTOMER GENERAL MARKET				
			1 PLACE ± 0.00														
			0 PLACES ± 0.00														
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE A3		THIRD ANGLE PROJECTION 		DOCUMENT NUMBER SD-146186-050			DOC TYPE XXX		DOC PART XXX		SHEET NUMBER 2 OF 2	