

7

6

5

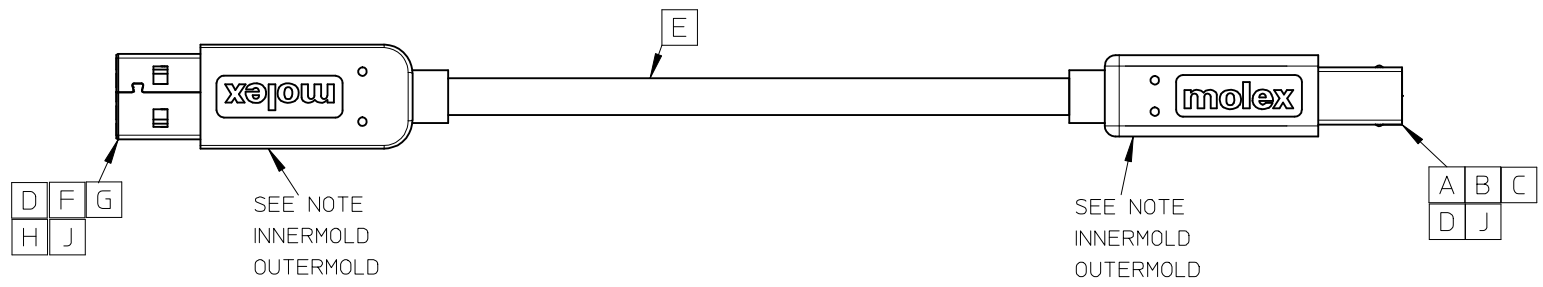
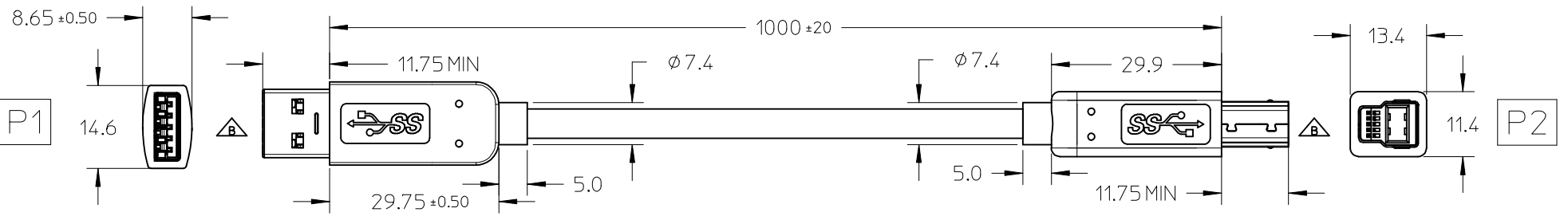
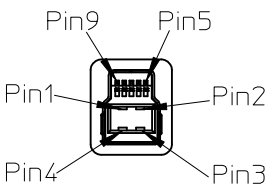
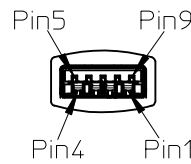
4

3

2

1

REVISIONS				
EC NO	DATE	REV	DESCRIPTION	CHANGER
N/A	2013/12/16	A	INITIAL RELEASE.	IFEI
CY14-6253	2014/03/10	B	TO MODIFY THE CHARACTERISTIC OF CONNECTORS.	IFEI



WIRING CHART			
P1	SIGNAL NAME	WIRE COLOUR	P2
1	VBUS	RED	1
2	D-	WHITE	2
3	D+	GREEN	3
4	GND	BLACK	4
5	Std_SSRX-	BLUE	5
6	Std_SSRX+	YELLOW	6
7	GND_DRAIN	GND_DRAIN	7
8	Std_SSTX-	PURPLE	8
9	Std_SSTX+	ORANGE	9
SHELL	SHIELD	BRAID	SHELL

ITEM	DESCRIPTION	L(MM)	Q'TY
J	HST F 1.5MM 125C (UL) BLK HF		A/R
H	FRONT METAL FOR STD A PLUG		1
G	USB 3.0 STD A CONNECTOR ASSY		1
F	REAR METAL FOR STD A PLUG		1
E	USB 3.0 CABLE(2P+1P)*28*2C*24,SHLD,PVC,BK,5.0,UL2725		A/R
D	PRE-CUT COPPER FOIL 25*5		2
C	REAR METAL SHELL FOR B PLUG		1
B	STD B CONNECTOR ASSY		1
A	FRONT METAL SHELL FOR B PLUG		1

<b>SEE REVISIONS</b> EC NO: CPG2014-2620 DRWN: IFEI 2014/02/21 CHKD: APPR: RTSAI 2014/03/11	<b>QUALITY SYMBOLS</b> $\nabla_F = 0$ $\nabla_F = 0$ $\nabla_F = 0$	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> <b>MM ONLY</b>		SCALE <b>1:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.5 ± --- 0 PLACE ± --- ± ---		DRAWN BY DATE IFEI 2014/01/16		TITLE <b>USB 3.0 A MALE TO B MALE 1M</b>				
		APPROVED BY DATE RTSAI 2014/01/17		MATERIAL NO. <b>687890004</b>		DOCUMENT NO. <b>SD-68789-010</b>				
		ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE $\nabla_A$		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

6

5

4

3

2

1

7

6

5

4

3

2

1

**NOTE:****1. OVERMOLDING SPECIFICATION:**

- 1.1 INNER MOLDING: PE RESIN  
1.2 OUTER MOLDING: PVC RESIN

**2. APPLICATION CONDITION**

- 2.1 WORKING TEMPERATURE: 0° — +50°  
2.2 STORAGE TEMPERATURE: -20° — +60°

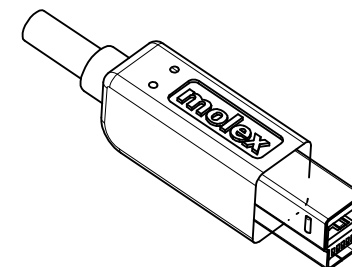
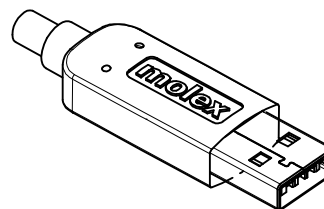
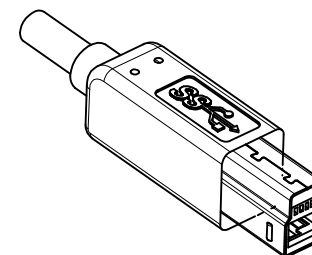
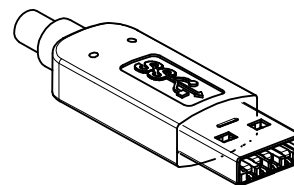
**3. MECHANICAL PERFORMACNE**


- 3.1. CABLE ASSLY CAN PASS FLEXING TEST IN 100 CYCLES AT EACH OF 2 PLANES, PER EIA364-41 CONDITION I.  
3.2. CABLE ASSEMBLY SR AREA SHOULD WITHSTAND A PULL FORCE 40N FOR ONE MINUTE WITHOUT COSMETIC AND FUNCTION DAMAGE.

**4. ELECTRICAL PERFORMACNE**

- 4.1 CURRENT RATING:1.8A FOR POWER WIRE/ 0.25A FOR SIGNAL WIRE  
4.2 VOLTAGE RATING:30V AC

5. THIS PRODUCT MUST MEET THE EU RoHS CHEMICAL SUBSTANCES SPECIFICATION FOR PRODUCTS ( 2011/65/EU ).



SEE REVISIONS EC NO: CPG2014-2620 DRWN:IFEI 2014/02/21 CHKD: APPR:RTSAI 2014/03/11	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		$\nabla_F = 0$	4 PLACES	$\pm$ ---	$\pm$ ---	DRAWN BY IFEI	DATE 2014/01/16	TITLE USB 3.0 A MALE TO B MALE 1M			
		$\nabla_F = 0$	3 PLACES	$\pm$ ---	$\pm$ ---	CHECKED BY	DATE				
		$\nabla_F = 0$	2 PLACES	$\pm$ 0.25	$\pm$ ---	APPROVED BY RTSAI	DATE 2014/01/17	 DOCUMENT NO. SD-68789-010 SHEET NO. 2 OF 2			
	1 PLACE	$\pm$ 0.5	$\pm$ ---	MATERIAL NO. 687890004							
B			0 PLACE	$\pm$ ---	$\pm$ ---	SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
			ANGULAR $\pm$ 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						

6

5

4

3

2

1

7

6

5

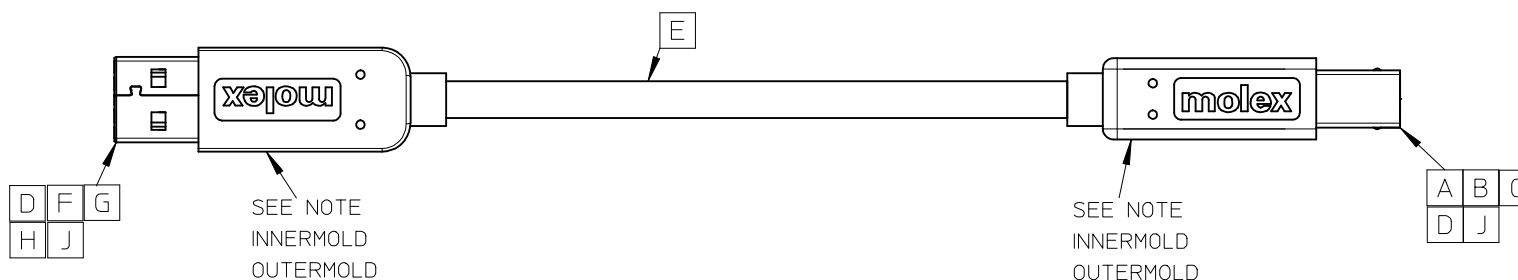
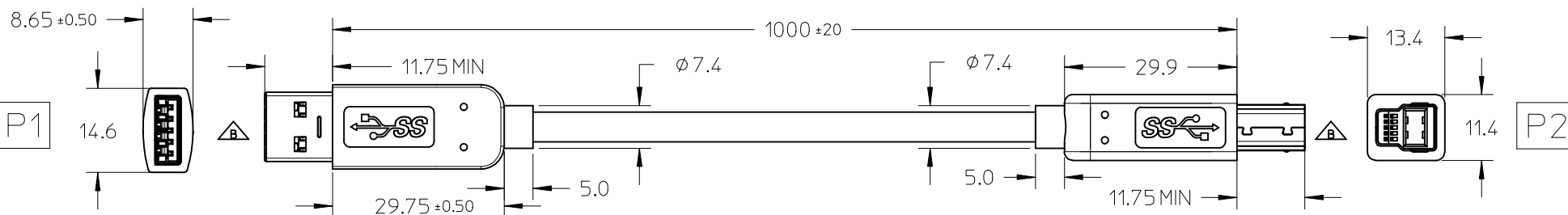
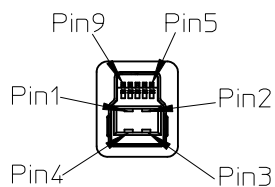
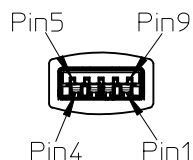
4

3

2

1

REVISIONS				
EC NO	DATE	REV	DESCRIPTION	CHANGER
N/A	2013/12/16	A	INITIAL RELEASE.	IFEI
CY14-6253	2014/03/10	B	TO MODIFY THE CHARACTERISTIC OF CONNECTORS.	IFEI



WIRING CHART			
P1	SIGNAL NAME	WIRE COLOUR	P2
1	VBUS	RED	1
2	D-	WHITE	2
3	D+	GREEN	3
4	GND	BLACK	4
5	Std_SSRX-	BLUE	5
6	Std_SSRX+	YELLOW	6
7	GND_DRAIN	GND_DRAIN	7
8	Std_SSTX-	PURPLE	8
9	Std_SSTX+	ORANGE	9
SHELL	SHIELD	BRAID	SHELL

J	HST F 1.5MM 125C (UL) BLK HF	A/R	
H	FRONT METAL FOR STD A PLUG		1
G	USB 3.0 STD A CONNECTOR ASSY		1
F	REAR METAL FOR STD A PLUG		1
E	USB 3.0 CABLE(2P+1P)*28*2C*24,SHLD,PVC,BK,5.0,UL2725	A/R	
D	PRE-CUT COPPER FOIL 25*5		2
C	REAR METAL SHELL FOR B PLUG		1
B	STD B CONNECTOR ASSY		1
A	FRONT METAL SHELL FOR B PLUG		1
ITEM	DESCRIPTION	L(MM)	Q'TY

SEE REVISIONS EC NO: CPG2014-2620 DRWN: IFEI 2014/02/21 CHKD: APPR: RTSAI 2014/03/11	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
						DRAWN BY DATE IFEI 2014/01/16		TITLE USB 3.0 A MALE TO B MALE 1M		
						CHECKED BY DATE		APPROVED BY DATE RTSAI 2014/01/17		DOCUMENT NO. SD-68789-010
						MATERIAL NO. 687890004		SHEET NO. 1 OF 2		
ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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

NOTE:

1. OVERMOLDING SPECIFICATION:

- 1.1 INNER MOLDING: PE RESIN
- 1.2 OUTER MOLDING: PVC RESIN

2. APPLICATION CONDITION

- 2.1 WORKING TEMPERATURE: 0° — +50°
- 2.2 STORAGE TEMPERATURE: -20° — +60°

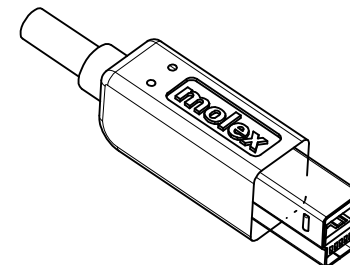
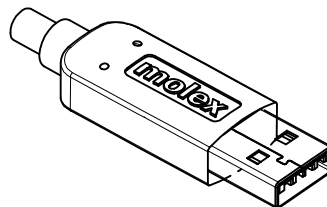
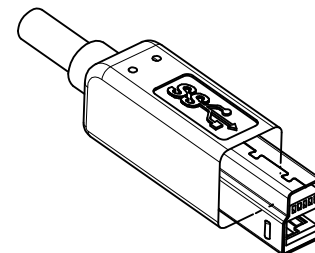
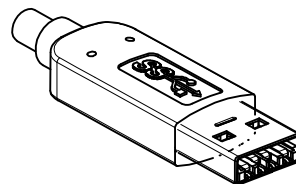
3. MECHANICAL PERFORMACNE

- 3.1. CABLE ASSLY CAN PASS FLEXING TEST IN 100 CYCLES AT EACH OF 2 PLANES, PER EIA364-41 CONDITION I.
- 3.2. CABLE ASSEMBLY SR AREA SHOULD WITHSTAND A PULL FORCE 40N FOR ONE MINUTE WITHOUT COSMETIC AND FUNCTION DAMAGE.

4. ELECTRICAL PERFORMACNE

- 4.1 CURRENT RATING:1.8A FOR POWER WIRE/ 0.25A FOR SIGNAL WIRE
- 4.2 VOLTAGE RATING:30V AC

5. THIS PRODUCT MUST MEET THE EU RoHS CHEMICAL SUBSTANCES SPECIFICATION FOR PRODUCTS ( 2011/65/EU ).



SEE REVISIONS EC NO: CPG2014-2620 DRWN:IFEI CHKD: APPR:RTSAI	2014/02/21 2014/03/11	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			▽F=0	4 PLACES ± --- ± ---	mm	INCH	DRAWN BY IFEI	DATE 2014/01/16	TITLE USB 3.0 A MALE TO B MALE 1M				
			▽F=0	3 PLACES ± --- ± ---			CHECKED BY	DATE					
			▽F=0	2 PLACES ± 0.25 ± ---			APPROVED BY RTSAI	DATE 2014/01/17	<b>molex</b> DOCUMENT NO. SD-68789-010 SHEET NO. 2 OF 2				
				1 PLACE ± 0.5 ± ---			MATERIAL NO. 687890004						
B	REV		0 PLACE ± --- ± ---	ANGULAR ± 3 °		SIZE A 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													