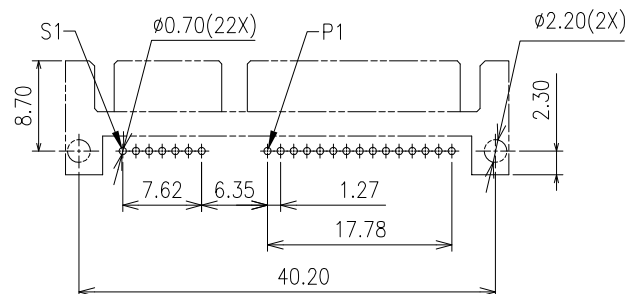
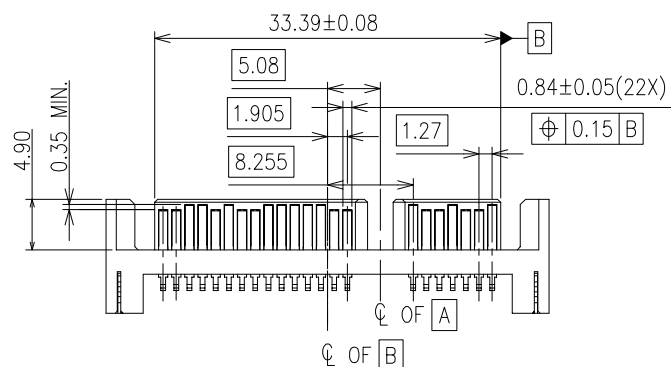
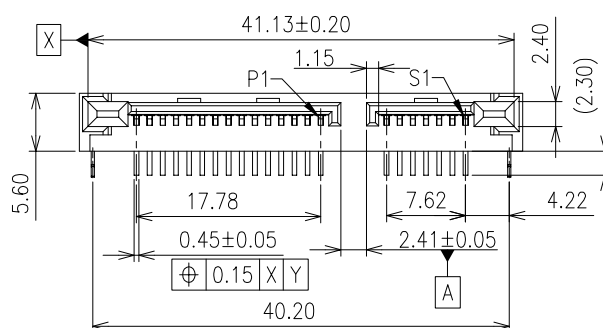
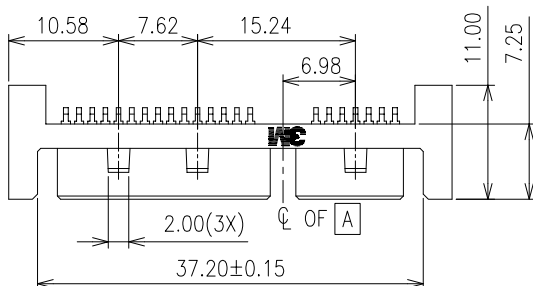
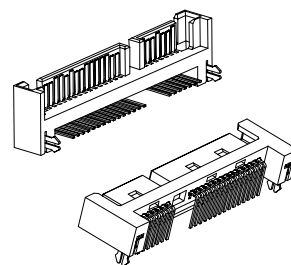
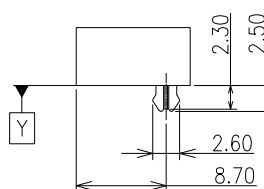


3M™ Serial Advanced Technology Attachment (SATA) Combo Connector
Device Plug, Straddlemount and Right Angle, Through-Hole, 5622 Series

REVISION RECORD		
REV.	ECR/ECN/ECO NUMBER	DATE
A	ECO-0037415	23/07/12



RECOMMENDED PCB LAYOUT



RIGHT ANGLE THROUGH HOLE

NOTES:

1. RoHS COMPLIANT. SEE REGULATORY INFORMATION APPENDIX IN "RoHS COMPLIANCE" SECTION AT WWW.3M.COM/INTERCONNECT (E1 & C1 APPLY)

2. MEETS SATA SPECIFICATION

3. PHYSICAL:

HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK, UL94V-0

Contact: Copper Alloy

Plating: ML: 30u" MIN. Au AT MATING AREA

50u" MIN. Ni UNDERPLATE

100u" MIN. Sn AT TERMINATION AREA

4. ELECTRICAL:

CURRENT RATING: 1.5A

INSULATION RESISTANCE: 10^3 MΩ(MINIMUM)

WITHSTANDING VOLTAGE: 500V_{ac} AT SEA LEVEL

5. ENVIRONMENTAL:

OPERATING TEMPERATURE RANGE: -40°C TO +85°C

6. UL FILE NO. E68080

7. ORDERING INFORMATION:

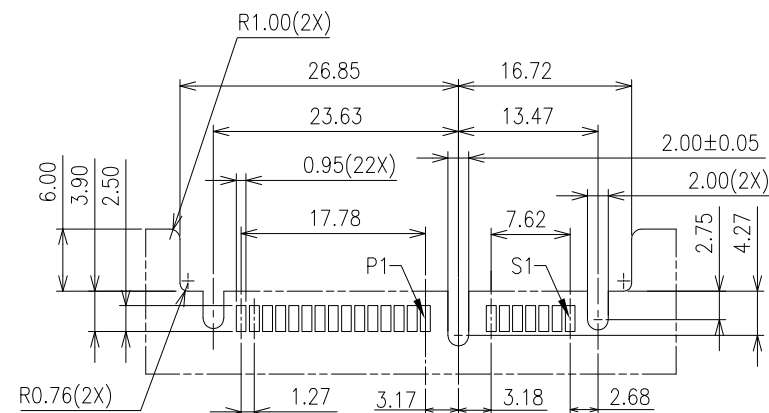
5622-4100-ML (RIGHT-ANGLE THROUGH HOLE)

5622-6309-ML (STRADDELMOUNT)

Visit <http://www.3Mconnector.com>

UNIT: MM	DFTG	OH KIM CHYE	DATE 23/07/12		DIVISION	ESD	STATUS RELEASED
GEN. TOLERANCES	CHKD	QIAO YUN LONG	DATE 23/07/12		MODEL	_____	
LINEAR .0 = ±0.25 ±0.38 .00 = ±0.15 ±0.25 .000= ± 0.05	APPVL	ROY LIM	DATE 23/07/12	TITLE Serial Advanced Technology Attachment (SATA) Combo Connector Device Plug, Straddlemount and Right Angle, Through-Hole			
ANGLE ±½° ±3'	THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO 3M COMPANY. NO REPRODUCTION OR PUBLICATION OF THIS DOCUMENT, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M. ©3M 2012. ALL RIGHTS RESERVED.			SIZE A3	DRAWING NO. 78-5100-2109-6		REV A
PROJECTION 				INTERPRET PER ASME Y14.5M-1994			
				SCALE : 2:1		DET LIST ☐ YES ☐ NO	SHT 1 of 2

REVISION RECORD		
REV.	ECR/ECN/ECO NUMBER	DATE
—REFER TO SHT 1 of 2—		



Technical drawing of a 12-pin connector. The drawing shows a side view of the connector with dimensions and tolerances. The overall length is 33.39 ± 0.08 . The height of the connector is 4.90 . The distance from the front face to the first pin is 0.35 MIN. The distance between the pins is 5.08 . The distance from the front face to the center of the first pin is 1.905 . The distance from the front face to the center of the last pin is 8.255 . The distance between the pins is 1.27 . The distance from the front face to the center of the last pin is $0.84 \pm 0.05 (22X)$. The distance from the front face to the center of the last pin is $\varnothing 0.15$ B. The distance from the front face to the center of the last pin is $0.45 \pm 0.05 (22X)$. The distance from the front face to the center of the last pin is $\varnothing 0.20$ B. The distance from the front face to the center of the last pin is $\varnothing$ OF C. The distance from the front face to the center of the last pin is $\varnothing$ OF B.

UNIT: MM	DFTG	OH KIM CHYE	DATE 23/07/12		DIVISION	ESD	STATUS RELEASED
GEN. TOLERANCES	CHKD	QIAO YUN LONG	DATE 23/07/12		MODEL	_____	
LINEAR .0 = ± 0.25 .00 = ± 0.15 .000 = ± 0.05	APPL	ROY LIM	DATE 23/07/12	TITLE Serial Advanced Technology Attachment (SATA) Combo Connector Device Plug, Straddle Mount and Right Angle, Through-Hole			
ANGLE ±1° ±3'	THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO 3M COMPANY. NO REPRODUCTION OR PUBLICATION OF THIS DOCUMENT, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M. ©3M 2012. ALL RIGHTS RESERVED.			SIZE A3	DRAWING NO. 78-5100-2109-6		REV A
PROJECTION 	INTERPRET PER ASME Y14.5M-1994			SCALE : 2:1		DET LIST ☐ YES ☐ NO	SHT 2 of 2
							