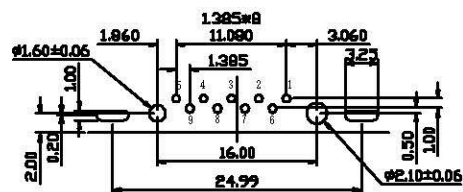
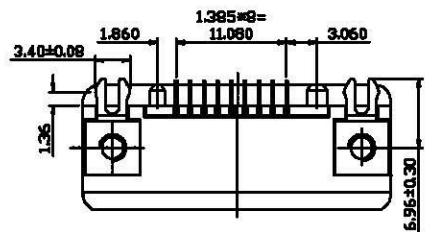
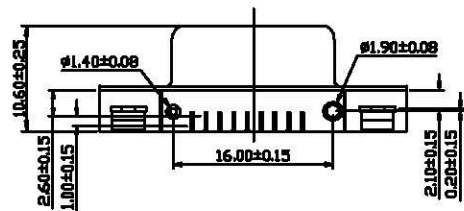
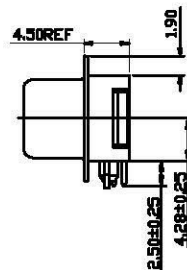
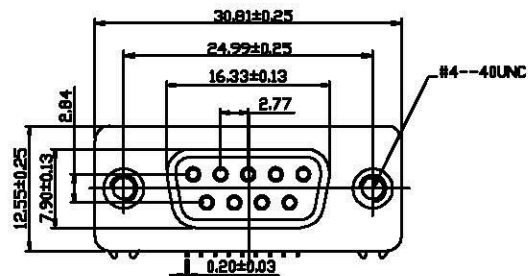


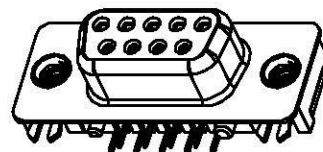
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RoHS COMPLIANT

REVISIONS				
REV	EDN NO.	DESCRIPTION	APPROVED BY	DATE
A			KING CHIU	2007-01-25



RECOMMENDED PCB LAYOUT



SPECIFICATIONS

ELECTRICAL CHARACTERISTICS:

Contact Current Rating:3 Amperes,  
Dielectric Withstanding Voltage: AC 1000/60sec.r.m.s.  
Insulation Resistance:5000 Medohms Minimum.at DC 500V.  
Contact Resistance:25 Milliohms Maximum.  
Operating Temperature:-55°C to+105°C.

MECHANICAL CHARACTERISTICS:

Contact Insertion Force:341 g.Maximum.  
Contact Separation Force:21 g.Minimum.

MATERIALS:

Contacts:Brass.  
Insulator: PBT UL 94V-0 Rated.  
Shell: Cold Roller Steel.

FINISHES:

Contact:Gold Flash.  
Shell:Nickel Plated.

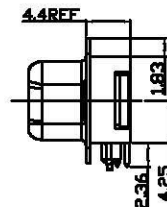
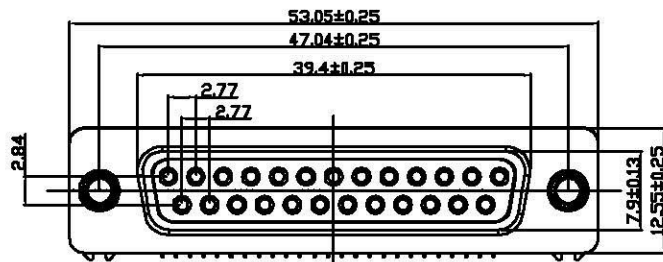
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UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE: DECIMALS      ANGLES .X ±0.38 [0.015]    X° ±3° .X ±0.25 [0.010]    .X° ±10° .XX ±0.13 [0.005]		CHECKED BY AND DATE JUSTIN KING 10-30-06 APPROVED BY AND DATE KING CHIU 10-30-06 THIRD ANGLE PROJECTION		TITLE 223A SERIES NARROW TYPE D-SUB RIGHT ANGLE SLIM TYPE	
MATERIAL FINISH				DRAWING NO. 2230-09201131101	
SCALE: 2 : 1		SIZE: A3		REV A	
FILE NO:				SHEET 1 OF 1	

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RoHS COMPLIANT

REVISIONS				
REV	EDN NO.	DESCRIPTION	APPROVED BY	DATE
A			MICHAEL HUANG	01-30-08



SPECIFICATIONS

ELECTRICAL CHARACTERISTICS:

Contact Current Rating:3 Amperes,  
Dielectric Withstanding Voltage: AC 1000/60sec.r.m.s.  
Insulation Resistance:5000 Medohms Minimum.at DC 500V.  
Contact Resistance:25 Milliohms Maximum.  
Operating Temperature:-55°C to+105°C.

MECHANICAL CHARACTERISTICS:

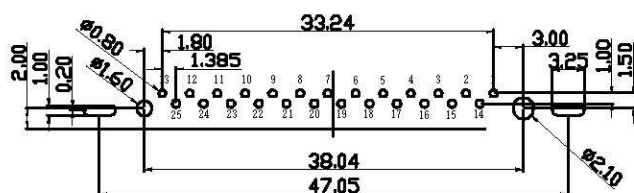
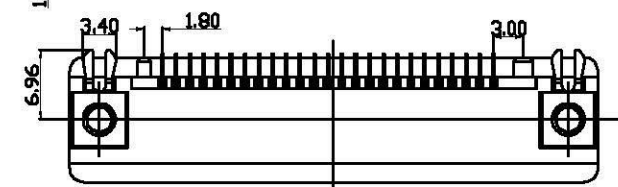
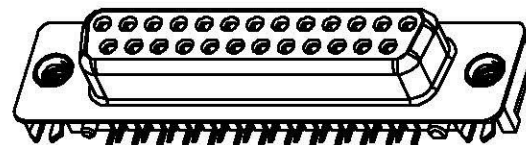
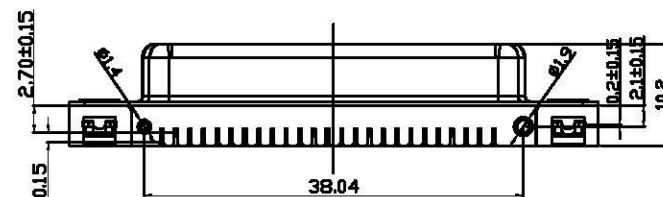
Contact Insertion Force:341 g.Maximum.  
Contact Separation Force:21 g.Minimum.

MATERIALS:

Contacts:Brass.  
Insulator: Blue PBT UL 94V-0 Rated.  
Shell: Cold Roller Steel.

FINISHES:

Contact:Gold Flash.  
Shell:Nickel Plated.



RECOMMENDED PCB LAYOUT

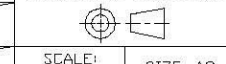
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UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE:	
DECIMALS	ANGLES
.X ±0.38 [0.015]	X° ±3°
.X ±0.25 [0.010]	X° ±10°
.XX ±0.13 [0.005]	

MATERIAL	
FINISH	

CAD GENERATED DRAWING,  
DO NOT MANUALLY UPDATE  
DRAWN BY AND DATE  
JACK QIN 26-07-07

CHECKED BY AND DATE  
JUSTIN XING 26-07-07  
APPROVED BY AND DATE  
MICHAEL HUANG 26-07-07  
THIRD ANGLE PROJECTION



SCALE: 2:1 SIZE: A3

All Connectors TD.

www.allconnectors.de info@allconnectors.de  
Tel: 0049 711 7090500 Fax: 0049 711 7090504  
All-Str. 100 40784 Kettwieschen, Germany

TITLE  
223A SERIES NARROW TYPE  
D-SUB RIGHT ANGLE SLIM TYPE

DRAWING NO.  
223A-25201131101

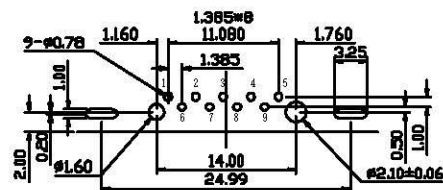
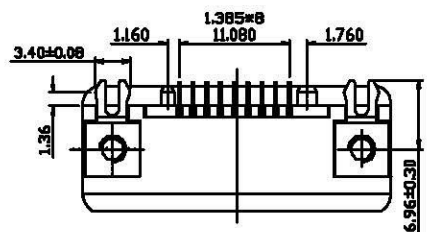
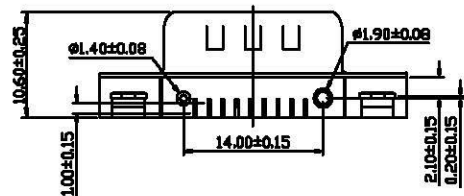
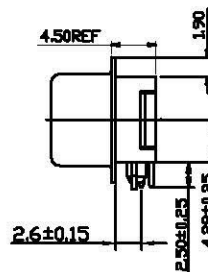
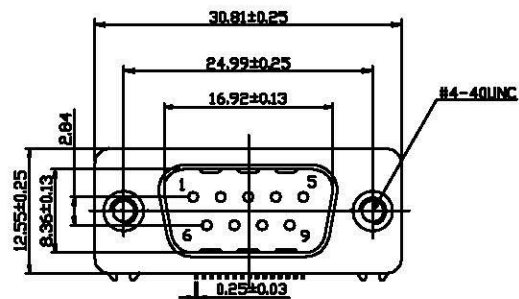
FILE NO: SHEET 1 OF 1

DO NOT SCALE DRAWING

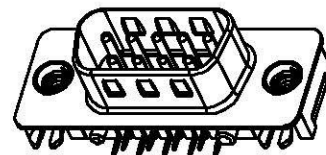
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RoHS COMPLIANT

REVISIONS				
REV	EDN NO.	DESCRIPTION	APPROVED BY	DATE
A			KING CHIU	2007-05-08



RECOMMENDED PCB LAYOUT



SPECIFICATIONS

ELECTRICAL CHARACTERISTICS:

Contact Current Rating: 3 Amperes;  
 Dielectric Withstanding Voltage: AC 1000/60sec.r.m.s.  
 Insulation Resistance: 5000 Mohms Minimum at DC 500V.  
 Contact Resistance: 25 Milliohms Maximum.  
 Operating Temperature: -55°C to +105°C.

MECHANICAL CHARACTERISTICS:

Contact Insertion Force: 341 g. Maximum.  
 Contact Separation Force: 21 g. Minimum.

MATERIALS:

Contacts: Brass.  
 Insulator: PBT UL 94V-0 Rated.  
 Shell: Cold Roller Steel.

FINISHES:

Contact: Gold Flash.  
 Shell: Nickel Plated.

DO NOT SCALE DRAWING

DIMENSIONS: <input type="checkbox"/> MM (INCH) <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> MM ONLY		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	
UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE: DECIMALS ANGLES X ±0.38 [0.015] X° ±3° .X ±0.25 [0.010] .X° ±10° .XX ±0.13 [0.005]		DRAWN BY AND DATE JUSTIN KING 10-30-06	
MATERIAL		CHECKED BY AND DATE JUSTIN KING 10-30-06	
FINISH		APPROVED BY AND DATE KING CHIU 10-30-06	
		THIRD ANGLE PROJECTION	
SCALE: 2:1		SIZE: A3	

www.allconnectors.de Tel: 0049 711 7008203 0721111010101 - Germany	info@allconnectors.de Fax: 0049 711 7008204 kellermeister@allconnectors.de
TITLE 223A SERIES NARROW TYPE D-SUB RIGHT ANGLE SLIM TYPE	
DRAWING NO. 2230-09101131101	REV A
FILE NO:	SHEET 1 OF 1

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REVISIONS				
REV	ECN NO.	DESCRIPTION	APPROVED BY	DATE

**RoHS COMPLIANT**

Ordering Information

223a -  $\frac{XX}{a}$   $\frac{X}{b}$   $\frac{X}{c}$   $\frac{X}{d}$   $\frac{X}{e}$   $\frac{X}{f}$   $\frac{X}{g}$   $\frac{X}{h}$   $\frac{X}{i}$   $\frac{X}{j}$

**a. No. Of Contacts:**

- 09: 09 positions
- 25: 25 positions(female)

**b. Contact Type**

- 1: Male(narrow type)
- 2: Female(narrow type)

**c. Contact Plating**

- 0: Gold flash selective gold(standard)
- 1: 1.5u" selective gold on contact
- 2: 1.0u" selective gold on contact
- 3: 1.5u" selective gold on contact
- 4: 3.0u" selective gold on contact
- 5: 5.0u" selective gold on contact
- 6: Gold flash full gold
- 7: Gold flash selective gold add plating
- 8: Full tin
- 9: 3.0u" selective gold on contact; Other 3u" gold upwards

**d. Shell plating :**

- 0: Cr yellow chrome
- 1: Nickel(standard)
- 2: Tin
- 3: Cr yellow chrome
- 4: Gold flash
- 5: Tin, not dimple
- 6: Cr yellow chrome, dimple
- 7: Special tin, dimple
- 8: Cr yellow chrome, dimple

**e. Insulator Color**

- 1: Blue
- 2: Black
- 3: White
- 4: Gray
- 5: Green
- 6: Black (high temperature)
- 7: PC99 red
- 8: PC99 yellow
- 9: Blue (high temperature)
- A: PC99 Blue (standard)

**f. Rivetting Options :**

- 0: None
- 1: Grounding Strap #4-40 threaded on panel
- 2: Grounding Strap #4-40 threaded on PCB&panel
- 3: Grounding Hook Boardlock+2 prong
- 4: Grounding Hook Boardlock+4 prong

- 3: Male(narrow type)
- 4: Female

**g. Flange Mounting Option :**

- 0:  $\phi$ 3.05mm clear hole**
- 1: #4-40 threaded hole
- 2: #4-40 threaded hole with #4-40 unc(4.8\*11.8mm) screwlock installed
- 3: #4-40 threaded hole with #4-40 unc(4.8\*11.8mm) screwlock bulk-packed
- 4: M3 threaded hole
- 5: #4-40 threaded hole with M3(4.8\*11.8mm) screwlock installed
- 6: M2.6 threaded hole
- 7: #4-40 threaded hole with M2.6(4.8\*11.8mm) screwlock installed
- 8: #4-40 threaded hole with front hex rivet, 5.8mm
- 9: #4-40 threaded hole with #4-40 unc(5.8\*11.8mm) screwlock installed

**h. Contact Type :**

- 1: Stamped contact



**i. Ferrite Options :**

- 0: Without

**j. Footprint :**

- 1: 2.60mm footprint

DO NOT SCALE DRAWING

DIMENSIONS: <input type="checkbox"/> MM [INCH] <input type="checkbox"/> INCH [mm] <input checked="" type="checkbox"/> MM ONLY	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE	 <small>www.allconnectors.de Tel: 0019 711 7005003 70734 Filderstadt, Germany</small> <small>info@allconnectors.de Fax: 0019 711 7005001 Kellerestraße 25</small>
	UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE: DECIMALS      ANGLES .X   ±0.38 [0.015]    X°   ±3° .X   ±0.25 [0.010]    .X°   ±1.0° .XX ±0.13 [0.005]	
MATERIAL	CHECKED BY AND DATE JUSTIN XING 10-20-06	APPROVED BY AND DATE KING CHIU 10-20-06 THIRD ANGLE PROJECTION 
FINISH	SCALE: 1:1      SIZE: A3	
FILE NO.:		REV <b>A</b>
SHEET 1 OF 1		