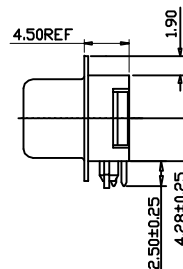
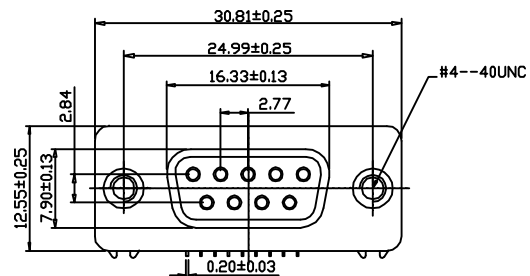


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RoHS COMPLIANT

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



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:

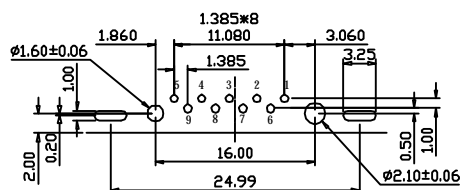
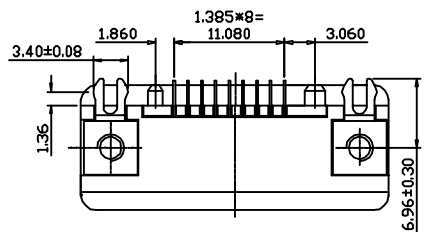
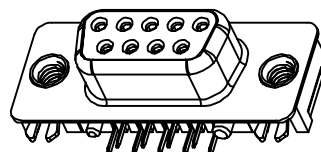
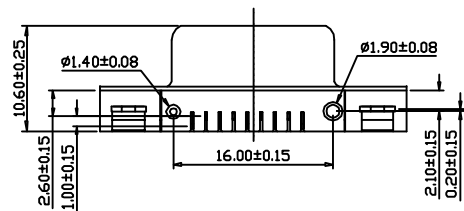
Contact Insertion Force:341 g.Maximum.
 Contact Separation Force:21 g.Minimum.

MATERIALS:

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

FINISHES:

Contact:Gold Flash.
 Shell:Nickel Plated.



RECOMMENDED PCB LAYOUT

DO NOT SCALE DRAWING

DIMENSIONS:		
<input type="checkbox"/> mm [INCH]	<input type="checkbox"/> INCH [mm]	<input checked="" type="checkbox"/> mm ONLY

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	
FINISH	

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE
 DRAWN BY AND DATE
 JUSTIN XING 10-30-06

CHECKED BY AND DATE
 JUSTIN XING 10-30-06
 APPROVED BY AND DATE
 KING CHIU 10-30-06

THIRD ANGLE PROJECTION

 SCALE: 2 : 1
 SIZE: A3



Y-S ELECTRONIC CO., LTD.

No. 101, Sec. 1, Long-An Street,
 Lu-Chu, Taoyuan, Taiwan, R.O.C.
 TEL: +886-3-3609819 FAX: +886-3-3609817

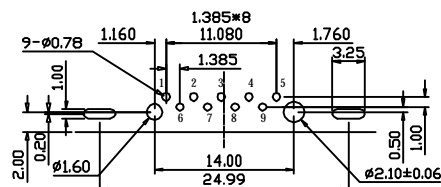
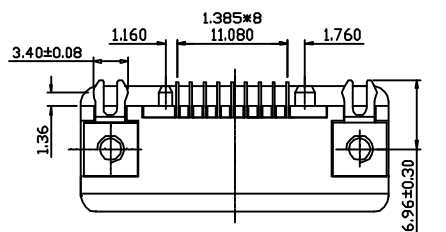
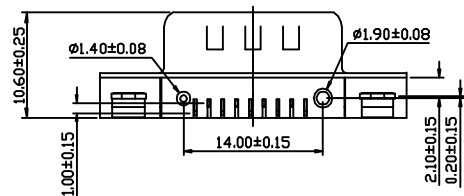
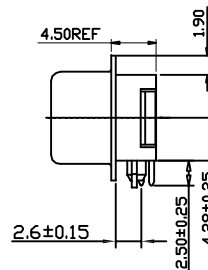
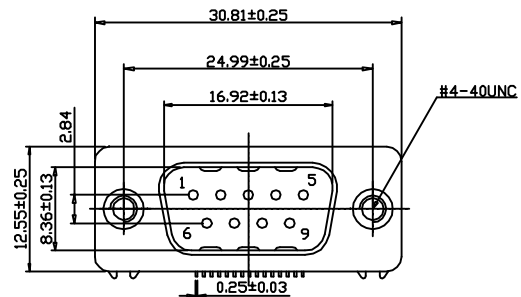
TITLE
 223A SERIES NARROW TYPE
 D-SUB RIGHT ANGLE SLIM TYPE

DRAWING NO. 2230-09201131101	REV A
FILE NO.	SHEET 1 OF 1

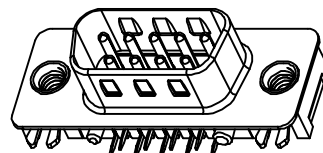
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RoHS COMPLIANT

REVISIONS				
REV	ECN 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:
 MM [INCH] INCH [MM] MM ONLY

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:

FINISH: SCALE: 2:1 SIZE: A3

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 DRAWN BY AND DATE: JUSTIN XING 10-30-06

CHECKED BY AND DATE: JUSTIN XING 10-30-06
 APPROVED BY AND DATE: KING CHIU 10-30-06

THIRD ANGLE PROJECTION

SCALE: 2:1 SIZE: A3



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 TEL: +886-3-3609819 FAX: +886-3-3609817

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

DRAWING NO. 223A-09101131101 REV A

FILE NO. SHEET 1 OF 1

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Ordering Information

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

REVISIONS				
REV	ECN NO.	DESCRIPTION	APPROVED BY	DATE

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)
- 1.5u"selective gold on contact
- 2.10u"selective gold on contact
- 3.15u"selective gold on contact
- 4.30u"selective gold on contact
- 5.50u"selective gold on contact
- 6. Gold flash full gold
- 7. Gold flash selective gold add plating
- 8. Full tin
- 9.30u"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: ϕ 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 DRAWN BY AND DATE JUSTIN XING 10-20-06	 Y-S ELECTRONIC CO., LTD. No. 101, Sec. 1, Long-An Street, Lu-Chu, Taoyuan, Taiwan, R.O.C. TEL: +886-3-3609819 FAX: +886-3-3609817	
	UNLESS OTHERWISE SPECIFIED, GENERAL TOLERANCE: DECIMALS ANGLES X. ± 0.38 [0.015] X* $\pm 3^\circ$.X ± 0.25 [0.010] .X* $\pm 1.0^\circ$.XX ± 0.13 [0.005]		CHECKED BY AND DATE JUSTIN XING 10-20-06 APPROVED BY AND DATE KING CHIU 10-20-06 THIRD ANGLE PROJECTION 
MATERIAL FINISH	SCALE: 1 : 1 SIZE: A3	DRAWING NO. 223a-XXXXXXXXXX	REV A
FILE NO.:		SHEET 1 OF 1	