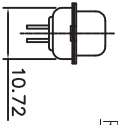
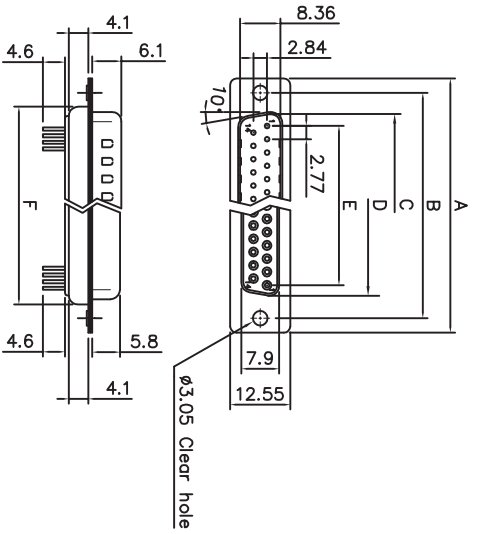


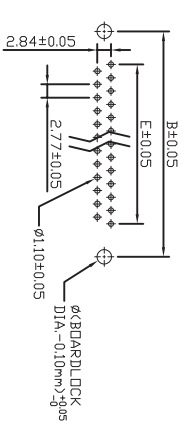
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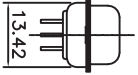
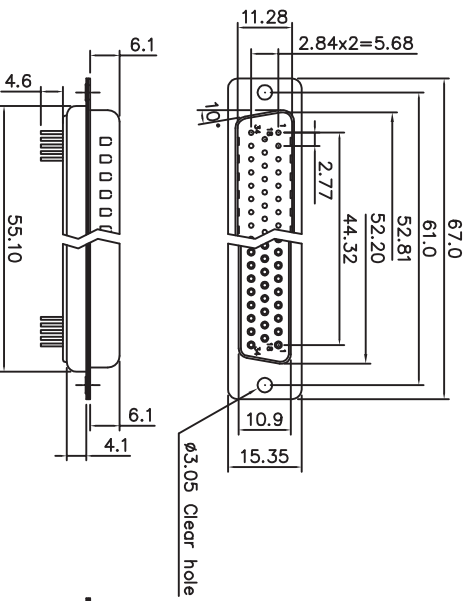
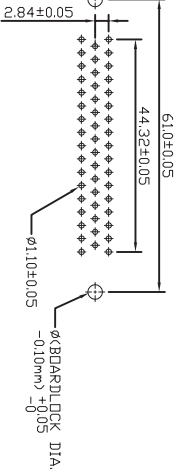
RECOMMENDED PCB LAYOUT



DIMENSION TABLE

POSITIONS	A±0.15	B±0.10	C±0.15	D±0.13	E±0.08	F±0.10
9	30.81	24.99	16.92	16.33	11.08	19.20
15	39.14	33.32	25.50	24.66	19.39	27.70
25	53.04	47.04	38.96	38.38	33.24	41.10
37	69.32	63.50	55.42	54.84	49.86	57.30

RECOMMENDED PCB LAYOUT



50 POSITIONS

DO NOT SCALE DRAWING

Specification
 Material : Glass-Filled Thermoplastic PBT, UL94V-0
 Insulator : Glass-Filled Thermoplastic PBT, UL94V-0
 Contact : Brass
 Shell : Steel, 80u" Nickel Over 50u" min Copper
 Clinch Nut : Brass, Nickel Plated
 Boardlock : Brass, Tin Plated
 Screwlock : Steel, Nickel Plated
 Electrical
 Contact Resistance : 20 milliohms
 Insulation Resistance : 1000 megohms min. at 500 VDC
 Dielectric Withstanding Voltage : 1000 VAC/rms 60Hz for 1 minute
 Current Rating : 3 AMP
 Voltage Rating : 250 VAC/rms 60Hz
 Environmental
 Temperature Range: -55°C ~ +85°C

DIMENSIONS:		CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		TITLE	
MM	INCH	MM	INCH	Cobb Technology	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Valley Center, CA (760) 690-8087	
UNLESS OTHERWISE SPECIFIED:				DRAWING NO:	
GENERAL TOLERANCE:				101-XXXXXXXXXX	
DECIMALS				SHEET 1 OF 4	
ANGLES				REV	
APPROVED BY AND DATE				A	
KING CHU 11-21-05					
THIRD ANGLE PROJECTION					
MATERIAL					
FINISH					
SCALE: 1:1					
SIZE: A3					

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Ordering Information

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

a. No. Of Pins

- 09: 09 positions
- 15: 15 positions
- 25: 25 positions
- 37: 37 positions
- 50: 50 positions

b. Contact Type:

- 1: Male 3: Male (phosphor bronze)
- 2: Female 4: Female (phosphor bronze)

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. 8u" gold flash full gold
- 8. Full tin
- 9. matte tin selective gold
- A. 30u" matte tin selective gold
- B. 15u" matte tin selective gold
- C. 15u" gold flash full gold

d. Shell plating:

- 0. Cr⁺³ yellow chrome
- 1. Nickel(standard)
- 2. Tin
- 3. Cr⁺⁶ yellow chrome
- 4. Gold flash
- 5. Tab shell dimple
- 6. Tab shell $\phi 4.0$
- 7. Cr⁺⁶ yellow chrome, dimple
- 8. Special tin, dimple
- 9. Cr⁺³ yellow chrome, dimple
- A. Matte tin
- B. Tab shell matte tin $\phi 4.0$
- C. Tin(With Y-S Logo)
- D. Nickel(With Y-S Logo)
- E. Special tin, Tab shell
- F. Special tin, Not dimple
- G. Special Ni, Back&front shell
- H. Front tab shell hexagon of tin plating, Back tab shell $\phi 4.0$

e. Insulator Color:

- 0. Pc99 purple
- 1: Blue
- 2: Black(standard)
- 3: White
- 4: Gray
- 5: Pc99 blue
- 6: Tab insulator, black
- 7. Green
- 8. Pc99 green
- 9. Pc99 yellow
- A: Black(high temperature)
- B: Blue(high temperature)
- C: White(high temperature)

f. Position of Clinch Nut:

- 0: $\phi 3.05$ mm clear hole
- 1. Front rivet, 5.9mm
- 2: Rear rivet, 5.9mm
- 3: Rivet+2 prong boardlock 6.0*3.2mm
- 4: rivet rear, round 6.0mm
- 5: Rivet+4 prong boardlock 6.0*3.2mm
- 6: Boardlock 4.75*11.7mm, track hole section 1.0mm
- 7: Rivet+2 prong boardlock 5.2*3.2mm
- 8: Rear rivet, 5.7mm
- 9: Rivet+2 prong boardlock 9.0*3.2mm
- A: Front rivet, 2.0mm
- B: Front rivet, 2.5mm
- C: Front rivet, 4.0mm
- D: Rear rivet, 2.0mm
- E: Rear rivet, 2.5mm
- F: Rear rivet, 4.0mm
- G: Rivet+2 prong boardlock(6.0*3.0mm)
- H: Rivet+2 prong boardlock(6.0*3.3mm)
- I: Rivet+2 prong boardlock(7.3*3.2mm)
- J: Rear rivet, 3.5mm
- K: Rear rivet, 5.0mm
- L: Front rivet, 5.0mm
- M: Rivet+2 prong boardlock(5.0*3.2mm)
- N: Rear rivet, 11.7mm
- O: Boardlock 5.5mm
- P: Rivet+2 prong boardlock(6.0*3.0mm)
- Q: Rivet+2 prong round boardlock(6.0*3.0mm)
- R: Round Rivet+4 Boardlock 17.6*3.4mm(hexagonal edge)
- S: Round Boardlock 27.5mm
- T: Rear Rivet 6.2mm
- U: Boardlock 9.6* 3. 2mm
- V: rivet rear, round 5.5mm
- W: Boardlock 11.9*3.2mm, track hole section 1.0mm
- X: Boardlock 12.5*3.2mm, track hole section 1.0mm
- Y: Rivet+2 prong boardlock(12.8*3.2mm)
- Z: Rivet+2 prong boardlock 6.2*3.2mm


g. Flange Mounting Option:

- 0: $\phi 3.05$ mm clear hole
- 1: #4-40 threaded hole
- 2: #4-40 threaded hole with #4-40 unc(5*10mm) screwlock installed
- 3: #4-40 threaded hole with #4-40 unc(5*10mm) screwlock bulk-packed
- 4: M3 threaded hole
- 5: #4-40 threaded hole with M3(5*10mm) screwlock installed
- 6: M2.6 threaded hole
- 7: #4-40 threaded hole with M2.6(5*10mm) screwlock installed
- 8: #4-40 threaded(half hole)
- 9: M3 threaded hole with #4-40 unc(5*10mm) screwlock installed
- A: Bolt type screw lock
- B: #4-40 threaded hole with #4-40 unc(5.8*10.8mm) screwlock installed
- C: #4-40 threaded hole Standoff+2 prong boardlock screw: 6.0*3.2mm screwlock installed
- D: #4-40 threaded hole with M3(5.8*10.8mm) screwlock installed
- E: #4-40 threaded hole with #4-40 unc(5.8*10.8mm) screwlock bulk-packed
- F: #4-40 threaded hole with #4-40 unc(4.8*11.8mm) screwlock bulk-packed
- G: #4-40 threaded hole with M2.6(5.8*10.8mm) screwlock installed
- H: #4-40 threaded hole with round "-" font #4-40 unc(6.0*12.0mm) screwlock installed
- I: #4-40 threaded hole with #4-40 unc(4.8*10.0mm) screwlock installed
- J: #4-40 threaded hole with #4-40 unc(5.0*11.0mm) screwlock installed
- K: M3 threaded hole with #4-40 unc(5.8*10.8mm) screwlock installed
- L: #4-40 threaded hole with #4-40 unc(6.0*12.0mm) screwlock installed
- M: #4-40 threaded hole with #4-40 unc(6.4*10.5mm) screwlock installed
- N: #4-40 threaded hole with #4-40 unc(5.0*9.0mm) round "-" font screwlock installed
- O: #4-40 threaded hole with #4-40 unc(5.8*10.0mm) screwlock installed
- P: #4-40 threaded hole with #4-40 unc(5*18mm) screwlock bulk-packed
- Q: #4-40 threaded hole with round "-" font #4-40 unc(5.8*10.8mm) screwlock installed
- R: #4-40 threaded hole with #4-40 unc(4.8*11.8mm) screwlock installed
- S: #4-40 threaded hole with #4-40 unc(6.0*10.1mm) screwlock installed
- T: #4-40 threaded hole with #4-40 unc(6.0*10.5mm) screwlock installed
- h. Pin Type:
- 0. Stamped pin: 5.5mm
- 1. Stamped pin: 4.6mm
- 2: Machined pin: 5.0mm
- 3: Stamped contact: 4.6mm wanting 1pin
- 4: Stamped short pin: 3.2mm
- 5: Machined pin: 5.3mm
- 6: Machined pin: 6.2mm
- 7: Machined pin: 17.5mm
- 8: Stamped pin: 4.3mm
- 9: Machined pin: 12.7mm
- A: Machined pin: 7.4mm
- B: Machined pin: 9.52mm
- C: Machined pin: 12.6mm
- D: Stamped pin: 5.0mm
- E: Machined pin: 6.5mm
- F: Machined pin: long pin: 14.48mm; short pin: 8.8mm
- G: Stamped pin: 1.5mm
- H: Machined pin: 8.2mm
- I: Machined pin: 11.0mm
- J: Machined pin: 8.5mm
- K: Stamped pin: 3.0mm
- L: Stamped pin: 2.5mm
- M: Machined pin: 10.0mm
- N: Machined pin: 4.75mm

i. Ferrite:

- 0. Without ferrite
- 1. With ferrite

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REV	ECN NO.	DESCRIPTION	APPROVED BY	DATE

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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]		CHECKED BY AND DATE JUSTIN XING 07-20-06 APPROVED BY AND DATE KING CHIU 11-21-05 THIRD ANGLE PROJECTION		TITLE D-SUB DIP STRAIGHT TYPE	
MATERIAL FINISH		 SCALE: 1 : 1 SIZE: A3		DRAWING NO. 101-XXXXXXXXXX	
FILE NO.:				SHEET 2 OF 4	
REV		A		REV	

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A
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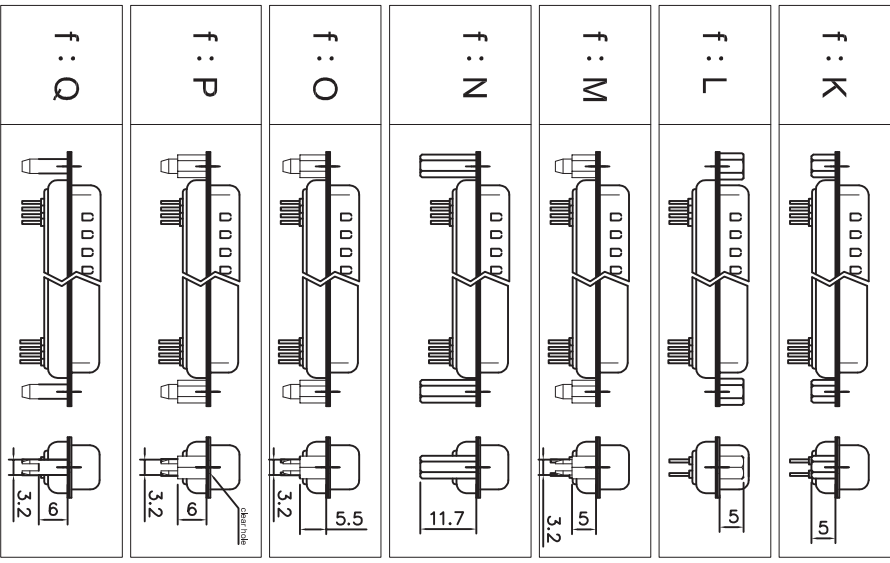
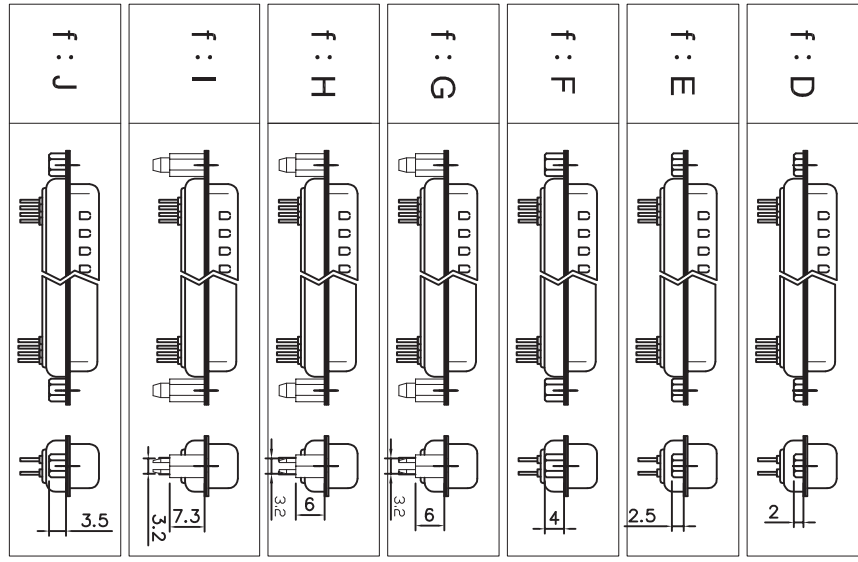
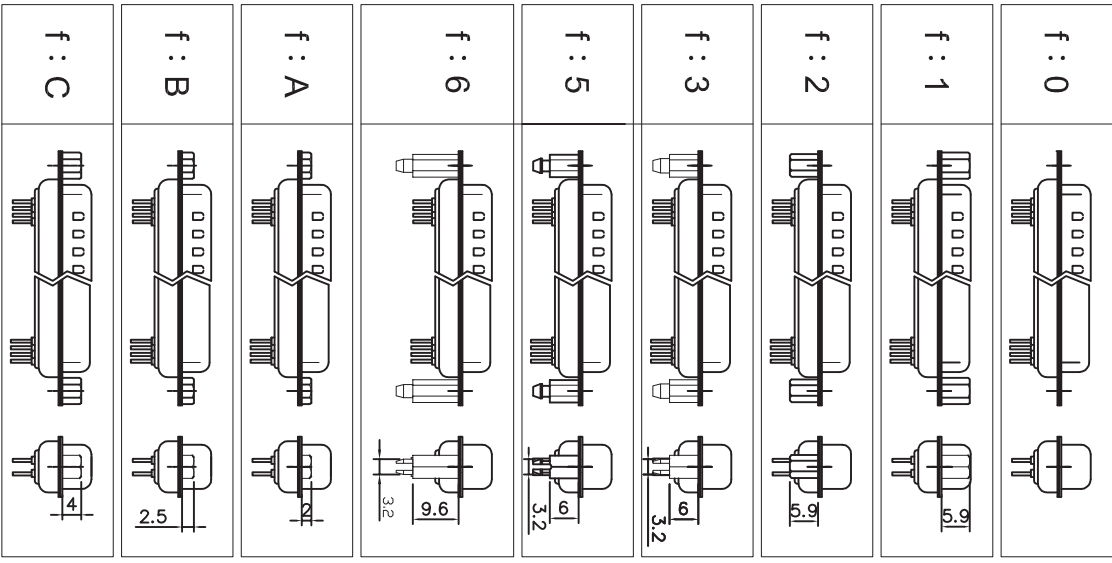
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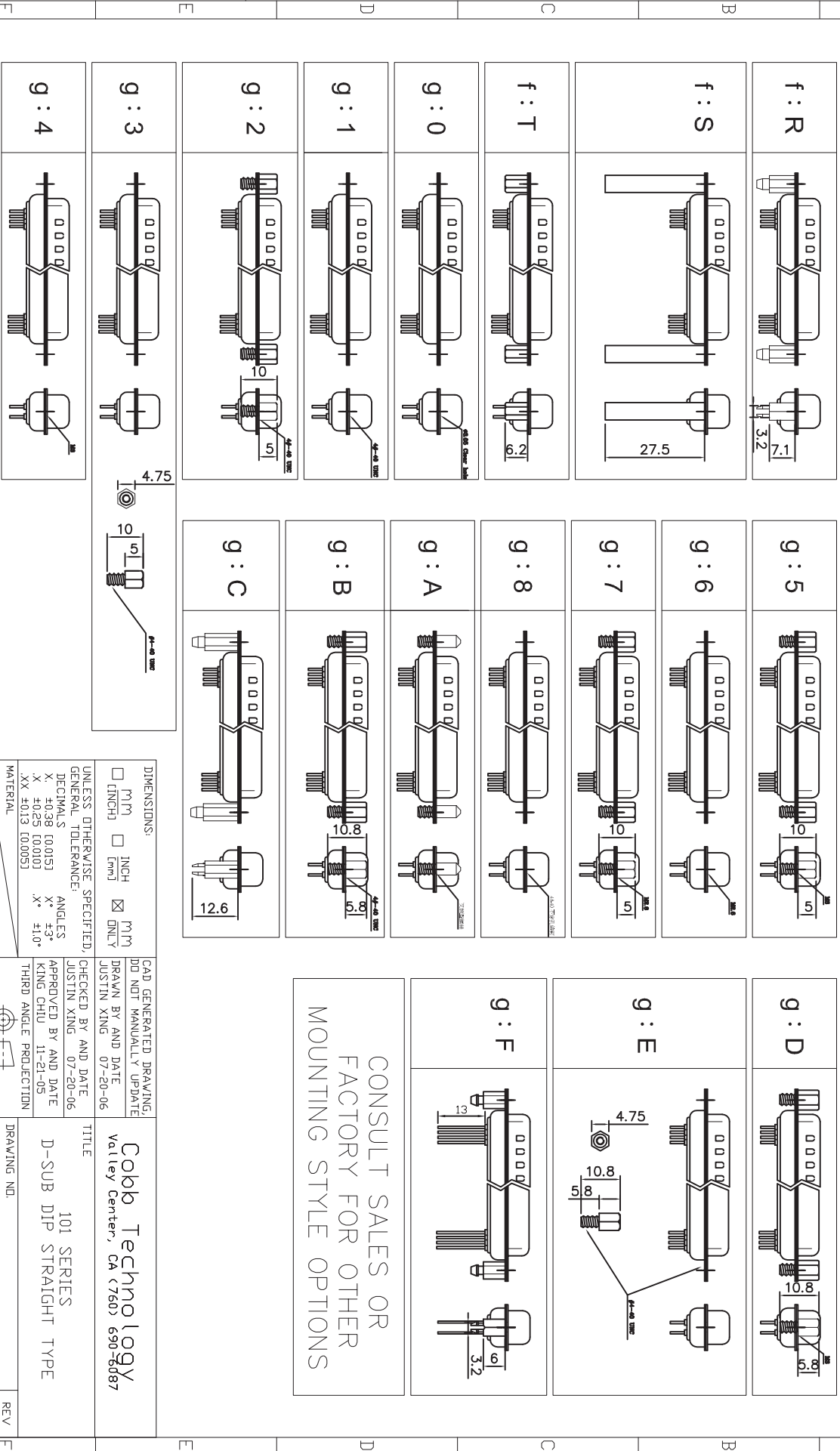
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ANGLES: X° ±3° X° ±1.0°		TITLE: Cobb Technology Valley Center, CA (760) 690-8087	
FINISH:		THIRD ANGLE PROJECTION	
SCALE: 1:1		DRAWING NO: 101-SERIES D-SUB DIP STRAIGHT TYPE	
SIZE: A3		FILE NO: 101-XXXXXXXXXX	
SHEET 3 OF 4		REV: A	

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CONSULT SALES OR
FACTORY FOR OTHER
MOUNTING STYLE OPTIONS

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FINISH: _____		SCALE: 1:1 SIZE: A3	
TITLE Cobb Technology Valley Center, CA (760) 690-8087		DRAWING NO. 101-SERIES D-SUB DIP STRAIGHT TYPE	
MATERIAL: _____		FILE NO.: _____	
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