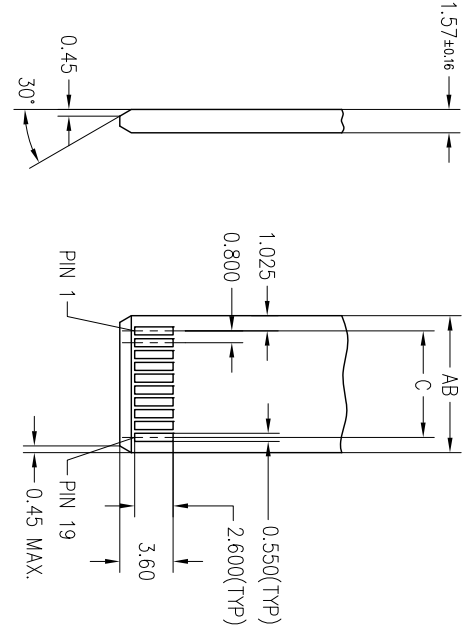
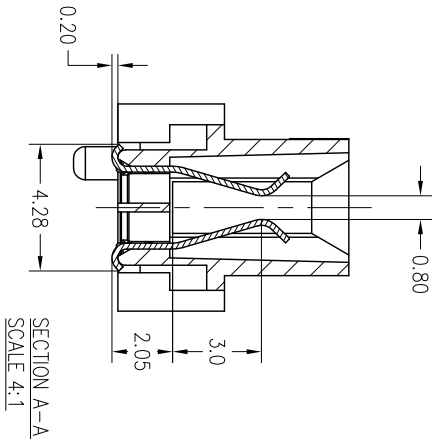
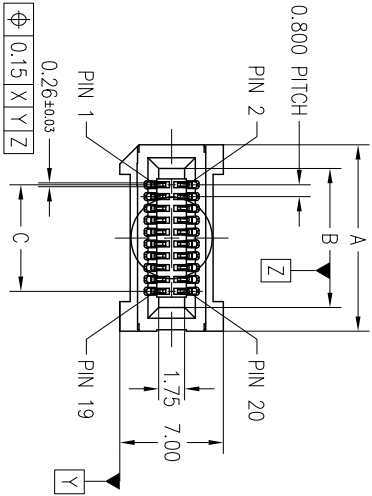
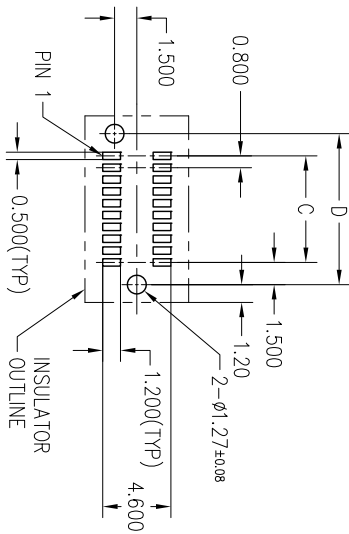
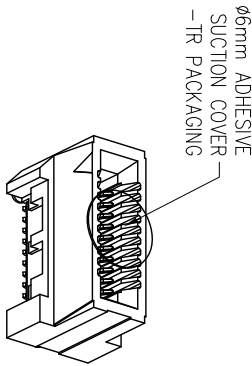
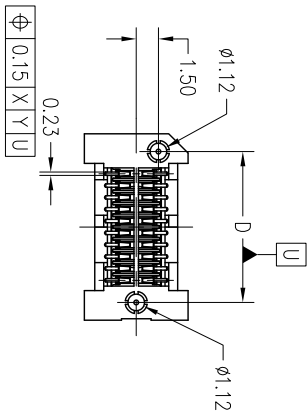
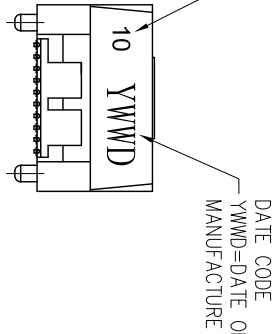
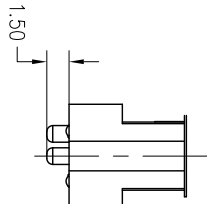
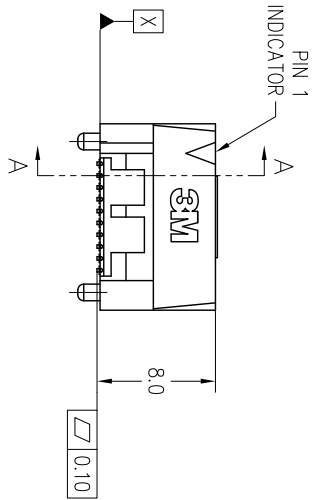


3M™ HIGH SPEED CARD-EDGE CONNECTOR, SPD08 SERIES

FIG. 1
FOR POSITIONS 020, 040, 060,
W/O LATCH TYPE
(SHOWN: SPD08-020-XX-TR)



RECOMMENDED MATING CARD LAYOUT



RECOMMENDED PCB LAYOUT

POSITIONS	DIMENSIONS				
	A	B	C	D	AB
20	12.60	9.40	7.200	10.20	9.25
40	20.60	17.40	15.200	18.20	17.25
60	28.60	25.40	23.200	26.20	25.25

NOTES:

1. MATERIAL:
HOUSING: GLASS FILLED LCP, BLACK, UL 94V-0
LATCH: GLASS FILLED LCP, BEIGE, UL 94V-0
CONTACT: COPPER ALLOY
SOLDER TAB: COPPER ALLOY
2. FINISH:
GOLD PLATING ON CONTACT WIPING AREA,
3~5um MATTE TIN ON SOLDER TAILS,
1.27um NICKEL UNDER PLATED.
3. RATING:
CURRENT: 3.0A, SINGLE CONTACT POWERED,
1.2A, ALL CONTACTS POWERED.
VOLTAGE: 250V AC
TEMPERATURE: -55 TO +125°C
PROCESS TEMP: 260°C MAX. (PROFILE PER J-STD-020C)
MOISTURE SENSITIVITY LEVEL: 1 (PER J-STD-020C)
4. ROHS COMPLIANT.
5. RECOMMENDED PACKAGING:
W/O LATCH TYPE: 20~160POS., T&R; 180~200POS., TRAY
WITH LATCH TYPE: 20~120POS., T&R; 140~200POS., TRAY
6. PART NUMBERING INFORMATION:

SPD08-XXX-X-XX-XX

NO. OF POSITIONS
020, 040, 060(SEE FIG. 1, 3)
050, 080, 100, 120, 140, 160,
180, 200(SEE FIG. 2, 4)

LATCHING OPTION
LATCH= W/O LATCH (SEE FIG. 1, 2)
L= WITH LATCH (SEE FIG. 3, 4)

PACKAGING OPTION
BLANK= TRAY
TR= TAPE & REEL

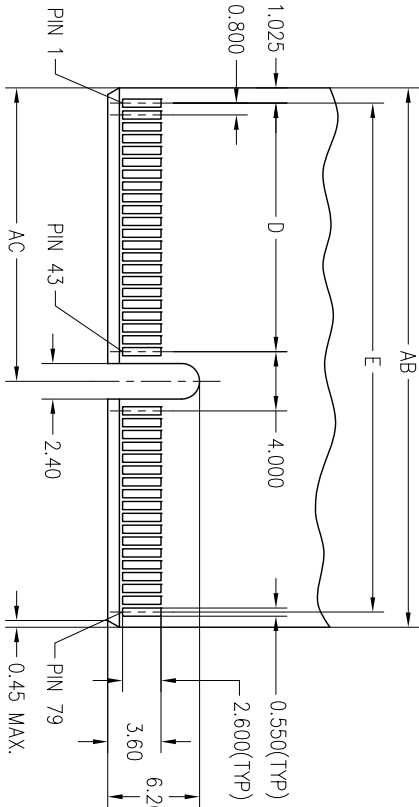
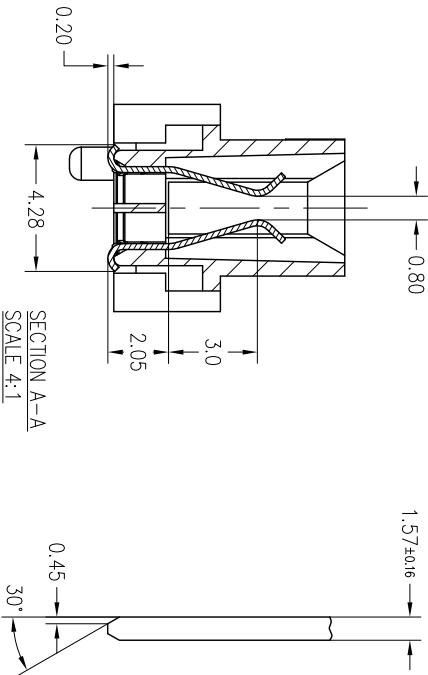
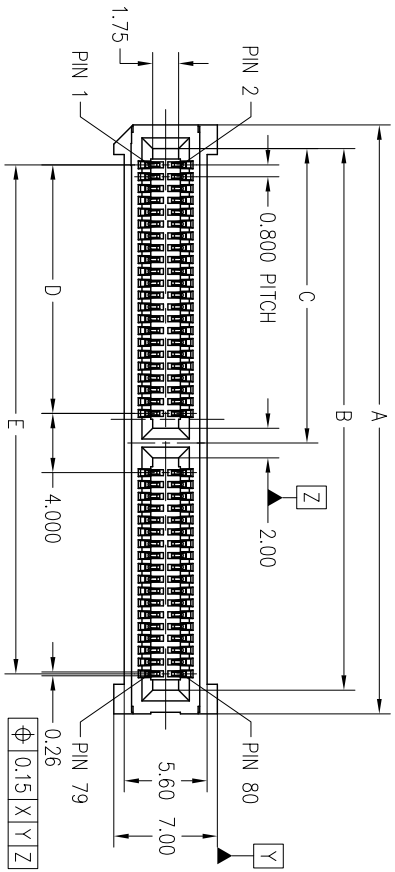
PLATING OPTION
RB= 0.76um MIN. GOLD
RC= 0.38um MIN. GOLD
RA= 0.25um MIN. GOLD

DESIGN REFERENCE		NEXT ASSEMBLY		DIVISION CODE		TOLERANCES EXCEPT AS NOTED		TITLE	
DISTRIBUTION CODES						INCHES		SPD08 HIGH SPEED CARD EDGE CONNECTOR, 0.8MM PITCH SMT	
DIVISION		ESD		SCALE		DO NOT SCALE DRAWING		CAGE NUMBER	
		SCALE		2:1		THIRD ANGLE PROJECTION		DRAWING NO.	
		INTERPRET PER ASME Y14.5 - 1994				MILLIMETERS		78-5100-2420-7	
		MAX SURFACE ROUGHNESS				.0 ± 0.50		REV. B	
		ALL SURFACES				.00 ± 0.10			
		MARKED ONLY				.000 ± 0.05			
		ANGLES ±		3°					
MODEL		DET		SHT		1 OF 4			

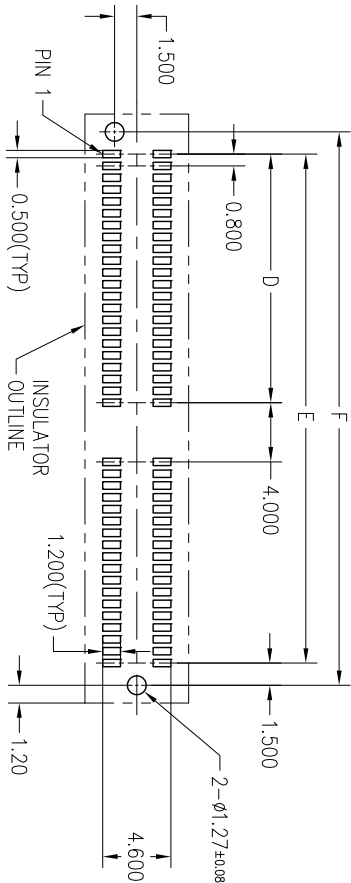
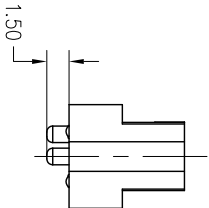
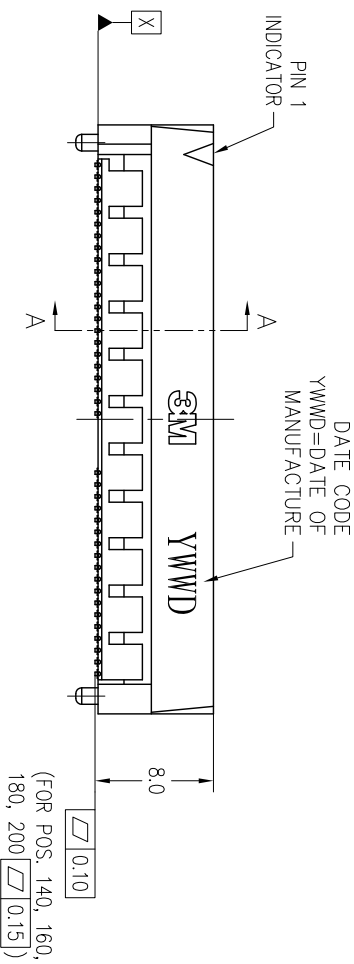
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3M™ HIGH SPEED CARD-EDGE CONNECTOR, SPD08 SERIES

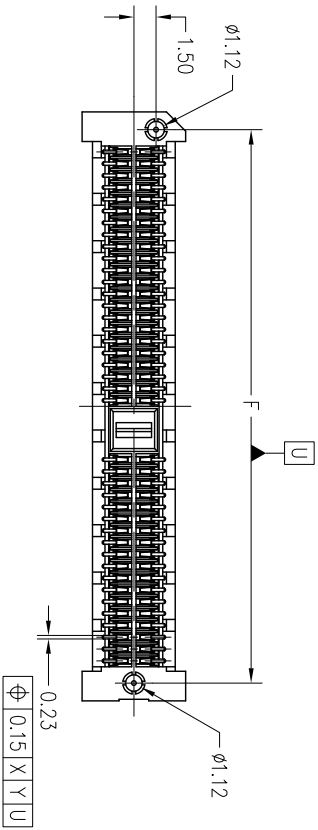
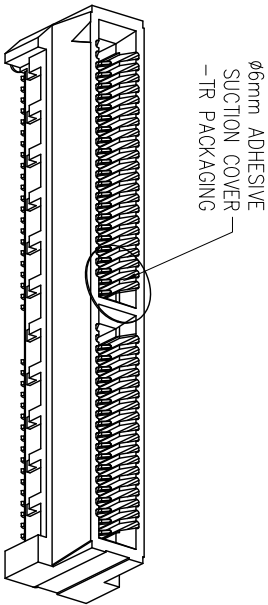
FIG. 2
FOR POSITIONS 050, 080, 100, 120,
140, 160, 180, 200, W/O LATCH TYPE
(SHOWN: SPD08-080-XX-TR)



RECOMMENDED MATING CARD LAYOUT



RECOMMENDED PCB LAYOUT



POSITIONS	DIMENSIONS						AB	AC
	A	B	C	D	E	F		
50	27.80	24.60	7.10	4.000	22.400	25.40	24.45	7.025
80	39.80	36.60	19.90	16.800	34.400	37.40	36.45	19.825
100	47.80	44.60	23.90	20.800	42.400	45.40	44.45	23.825
120	55.80	52.60	27.90	24.800	50.400	53.40	52.45	27.825
140	63.80	60.60	27.90	24.800	58.400	61.40	60.45	27.825
160	71.80	68.60	27.90	24.800	66.400	69.40	68.45	27.825
180	79.80	76.60	27.90	24.800	74.400	77.40	76.45	27.825
200	87.80	84.60	27.90	24.800	82.400	85.40	84.45	27.825

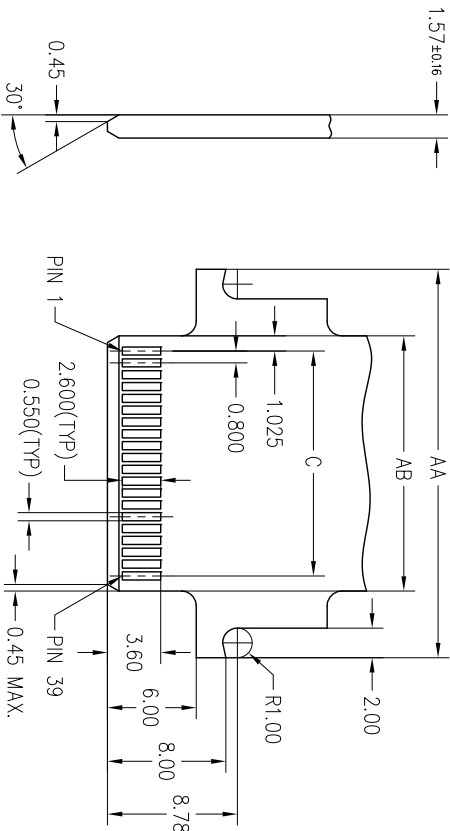
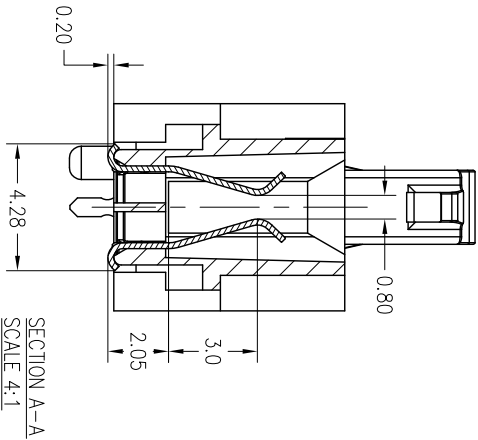
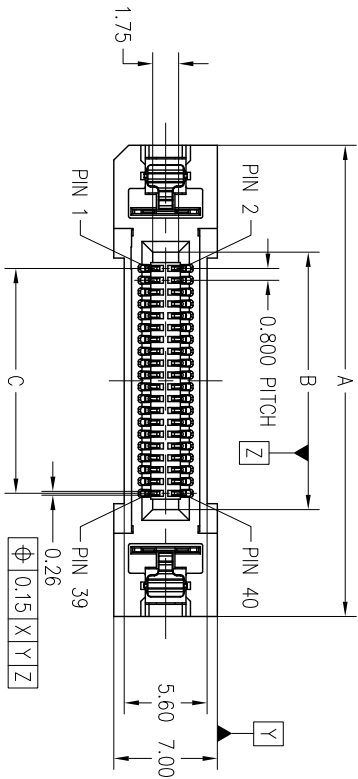
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTRIBUTION CODES				DRFT	K.D. LIU	DATE	05/11/11	MFG	
DIVISION		ESD		DIVISION CODE		TOLERANCES EXCEPT AS NOTED		DATE	
DO NOT SCALE DRAWING		SCALE 2:1		INCHES		MILLIMETERS		DATE	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 1994		0 ± 0.000 ±		0 ± 0.000 ±		DATE	
MAY SURFACE ROUGHNESS		ALL SURFACES		0.00 ± 0.05		0.00 ± 0.05		DATE	
MARKED ONLY		ANGLES ± 3°		MODEL		CAGE NUMBER		REV.	
						DRAWING NO.		B	
						78-5100-2420-7		2 OF 4	
						SPD08 HIGH SPEED CARD EDGE CONNECTOR, 0.8MM PITCH SMT			

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MN 55144

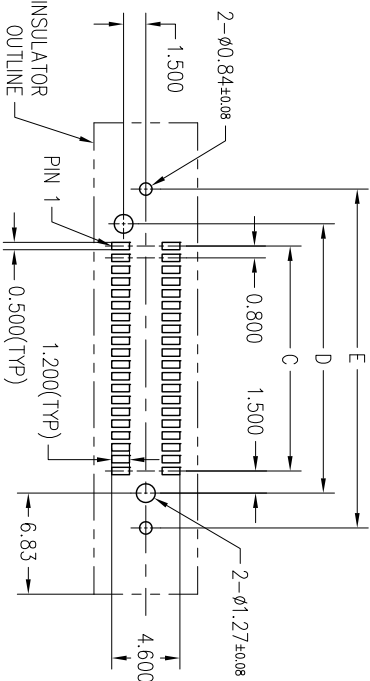
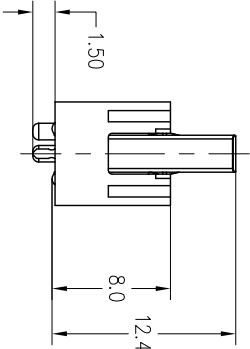
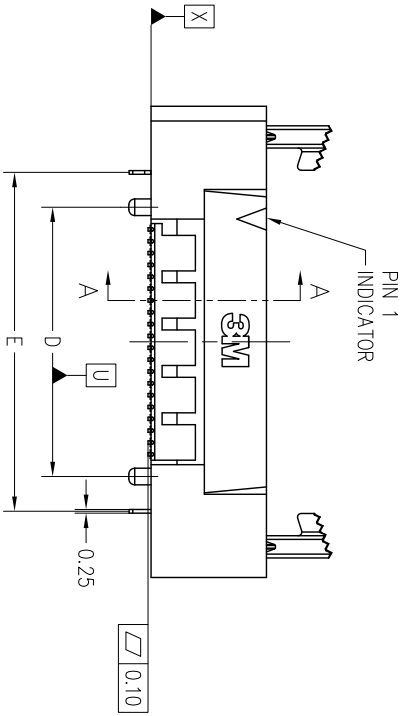
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3M™ HIGH SPEED CARD-EDGE CONNECTOR, SPD08 SERIES

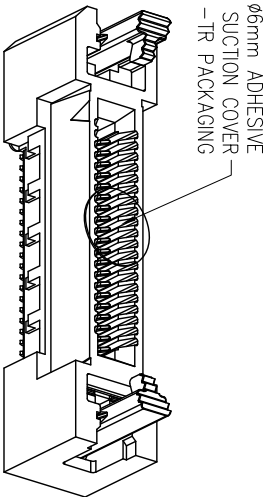
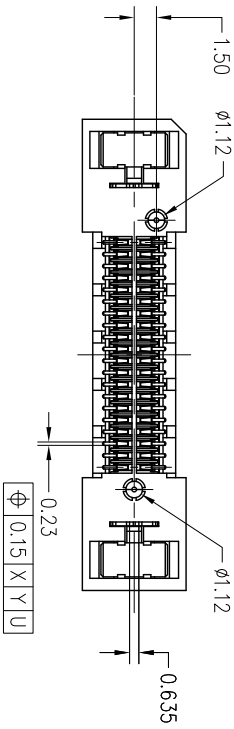
FIG. 3
FOR POSITIONS 020, 040, 060,
WITH LATCH TYPE
(SHOWN: SPD08-040-L-XX-TR)



RECOMMENDED MATING CARD LAYOUT



RECOMMENDED PCB LAYOUT

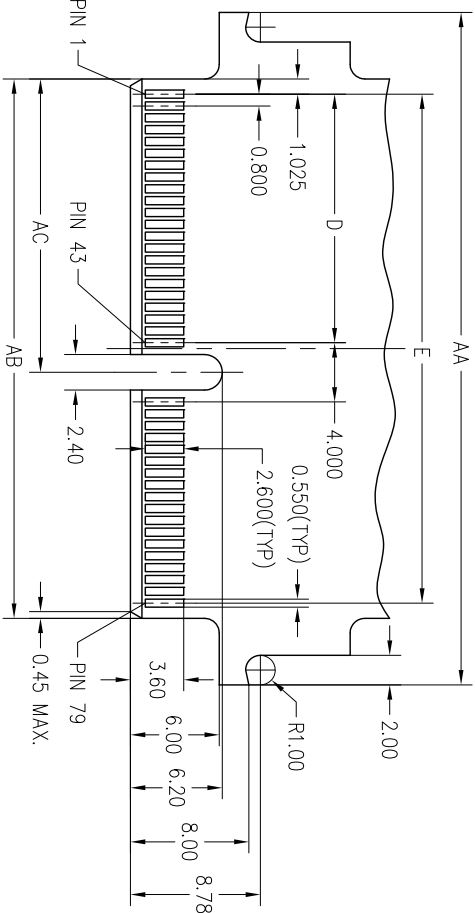
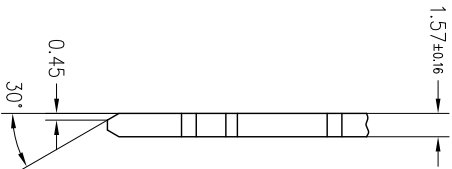
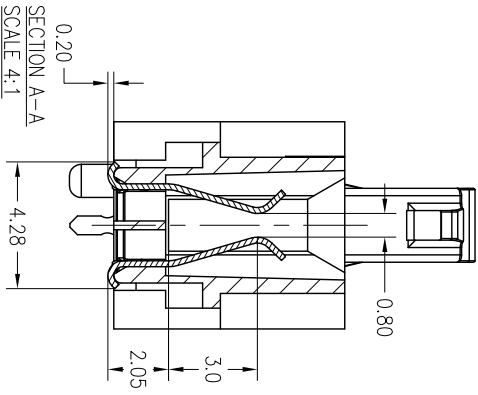
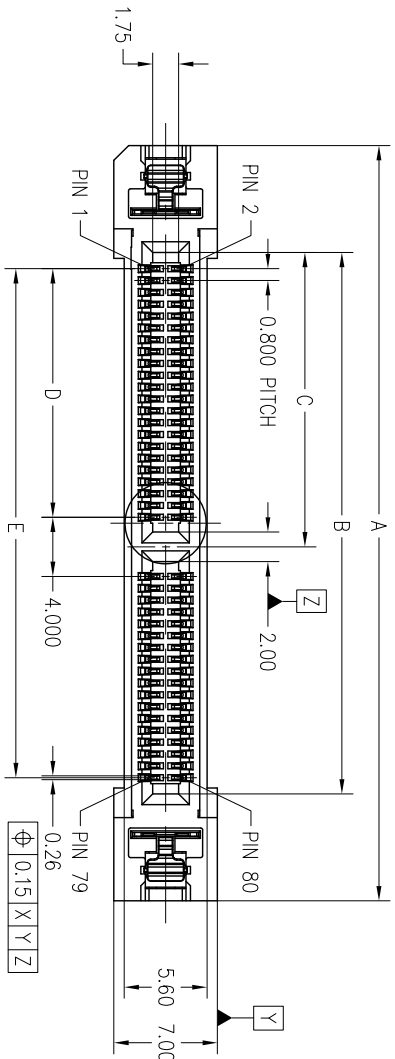


POSITIONS	DIMENSIONS					
	A	B	C	D	E	AA
20	23.85	9.40	7.200	10.20	14.90	18.25
40	31.85	17.40	15.200	18.20	22.90	26.25
60	39.85	25.40	23.200	26.20	30.90	34.25

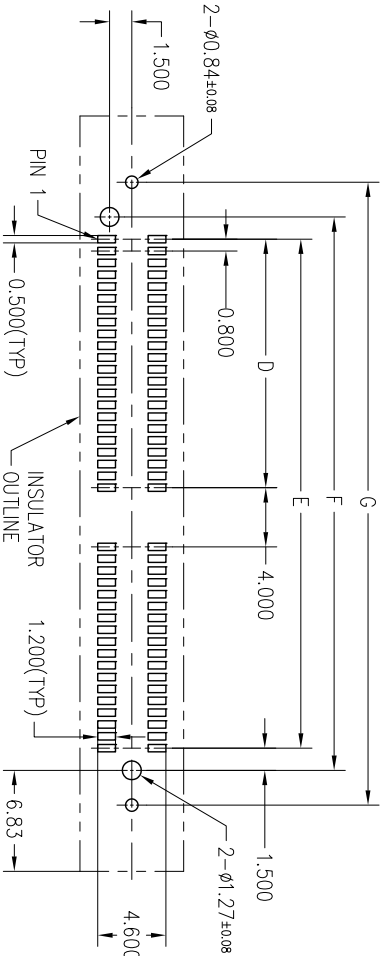
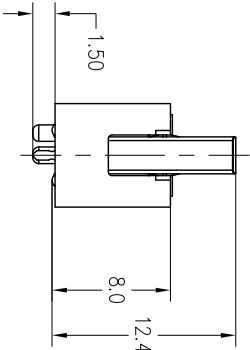
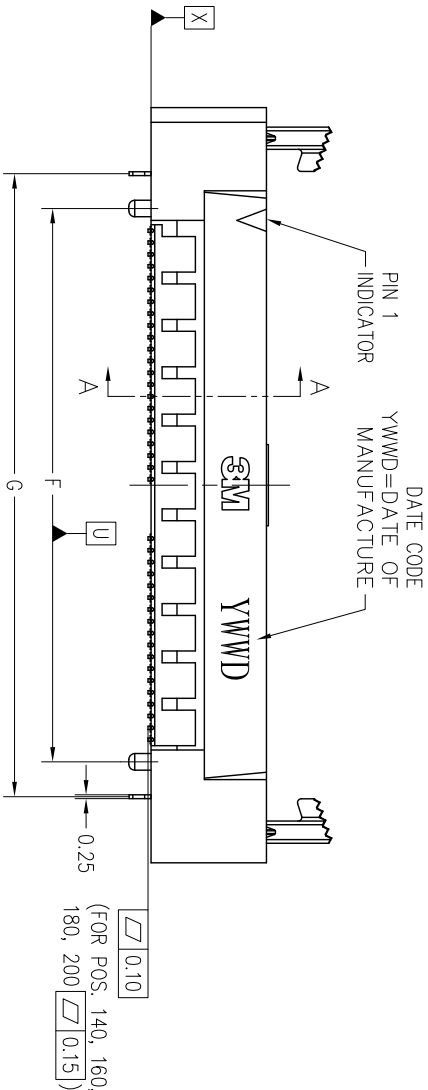
DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTRIBUTION CODES				DRFT	K.D. LIU	DATE	05/11/11	MFG	DATE
				CHKD		DATE		APPL	DATE
DIVISION		ESD		DIVISION CODE		TOLERANCES EXCEPT AS NOTED			
DO NOT SCALE DRAWING		SCALE 2:1				INCHES			
THIRD ANGLE PROJECTION						MILLIMETERS			
INTERPRET PER ASME Y14.5 - 1994						0 ± 0.50			
MAX SURFACE ROUGHNESS						0.00 ± 0.10			
☐ ALL SURFACES						0.00 ± 0.05			
✓ MARKED ONLY						ANGLES ± 3°			
TITLE		SPD08 HIGH SPEED CARD EDGE CONNECTOR, 0.8MM PITCH SMT							
CAGE NUMBER		SIZE		DRAWING NO.		REV.			
78-5100-2420-7		C		78-5100-2420-7		B			
MODEL		DET		SHT		3 OF 4			

3M™ HIGH SPEED CARD-EDGE CONNECTOR, SPD08 SERIES

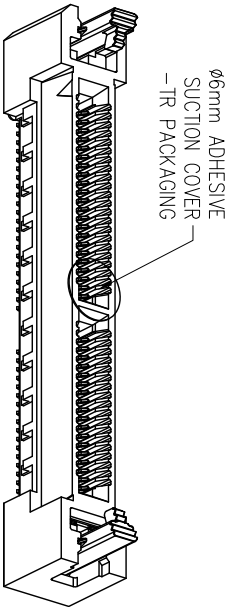
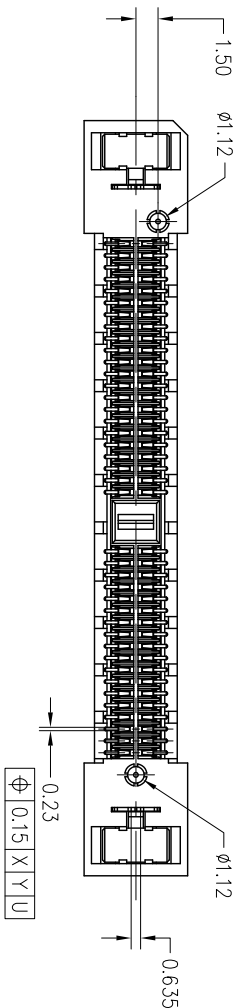
FIG. 4
FOR POSITIONS 050, 080, 100, 120,
140, 160, 180, 200, WITH LATCH TYPE
(SHOWN: SPD08-080-L-XX-TR)



RECOMMENDED MATING CARD LAYOUT



RECOMMENDED PCB LAYOUT



POSITIONS	DIMENSIONS					
	A	B	C	D	E	F

POSITIONS	POSITIONS									
	A	B	C	D	E	F	G	AA	AB	AC
50	39.05	24.60	7.10	4.000	22.400	25.40	30.10	33.45	24.45	7.025
80	51.05	36.60	19.90	16.800	34.400	37.40	42.10	45.45	36.45	19.825
100	59.05	44.60	23.90	20.800	42.400	45.40	50.10	53.45	44.45	23.825
120	67.05	52.60	27.90	24.800	50.400	53.40	58.10	61.45	52.45	27.825
140	75.05	60.60	27.90	24.800	58.400	61.40	66.10	69.45	60.45	27.825
160	83.05	68.60	27.90	24.800	66.400	69.40	74.10	77.45	68.45	27.825
180	91.05	76.60	27.90	24.800	74.400	77.40	82.10	85.45	76.45	27.825
200	99.05	84.60	27.90	24.800	82.400	85.40	90.10	93.45	84.45	27.825

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO	ISSUE DATE AND DESCRIPTION		DRAFT	CHKD
DISTRIBUTION CODES				DRAFT		K.D. LIU	DATE 05/11/11		MFG	DATE
DIVISION		ESD		DIVISION CODE		© 3M COPYRIGHT				
DO NOT SCALE DRAWING		SCALE 2:1		TOLERANCES EXCEPT AS NOTED		of the 3M Company and may not be reproduced without 3M written permission or used for other than 3M authorized purposes.				
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS		SPD08 HIGH SPEED CARD EDGE CONNECTOR, 0.8MM PITCH SMT				
MAX SURFACE ROUGHNESS		ALL SURFACES		INCHES		DRAWING NO. 78-5100-2420-7				
MARKED ONLY		ANGLES ± 3°		REV. B		DET. [] SHT 4 OF 4				