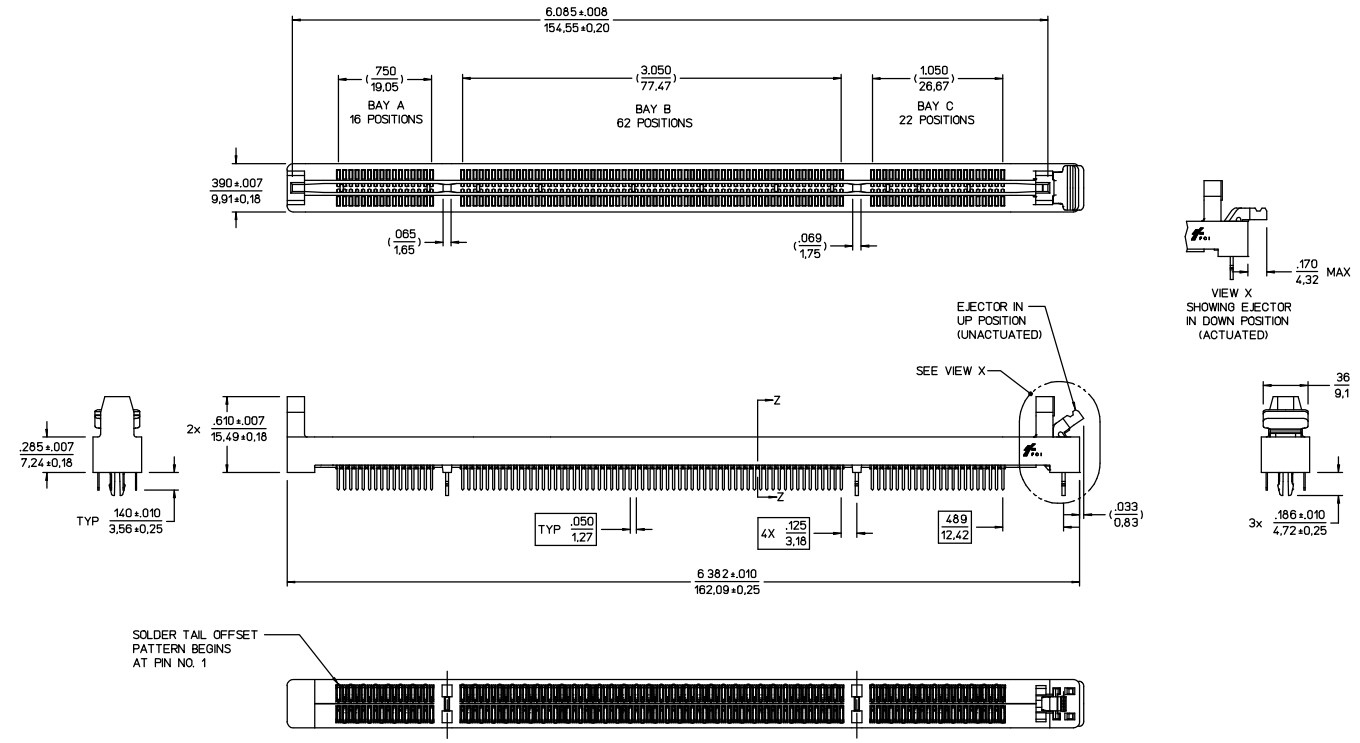
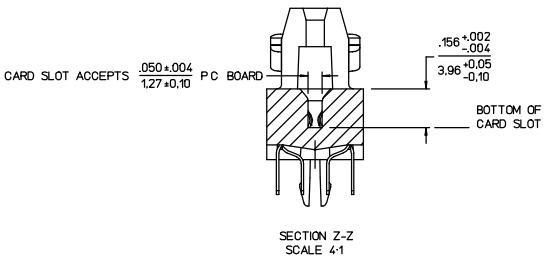




SECTION Z-Z
SCALE 4:1

CATALOG NUMBER DESCRIPTION

ELF 200 N S C R - 4 Z50

- CONNECTOR SERIES: EXTREMELY LOW FORM FACTOR
- NUMBER OF CONTACTS
- BAY CONFIGURATION: N= 3 BAYS: 16/62/22 POSITIONS
- TERMINATION STYLE: S= THRU-HOLE SOLDER TAILS
- EJECTOR STYLE: E= LEFT (BAY A), R= RIGHT, B= BOTH, N= NONE
- RETENTION STYLE: C= METAL CLIPS
- DESIGN VARIATION: 4= FOR .093 ± .007 [1,57 ± 0,18] BACKPLANE APPLICATIONS.
- PLATING VARIATION

NOTES: UNLESS OTHERWISE SPECIFIED,

1 INTERPRET THIS DRAWING IN ACCORDANCE WITH ANSI Y14.5M-1982.

2 COMPONENT BOARD MATERIAL:
P.C. BOARD: FR-4 WITH 1 OZ. [28,35g] MIN COPPER PADS.
PAD PLATING: 30 MICROINCHES [0,76 MICRONS] MIN. GOLD, PER MIL-G-45204, TYPE 1, CLASS 1, GRADE C, OVER 100 MICROINCHES [2,54 MICRONS] MIN NICKEL PER QQ-N-290.

3 SEE SHEET 2 FOR RECOMMENDED DAUGHTERCARD DETAILS.

4 SEE SHEET 3 FOR RECOMMENDED HOLE PATTERNS.

5 DIMENSION APPLICABLE WHEN COMPONENTS MOUNTED ON BOTH SIDES.

6 CARD THICKNESS APPLIES ACROSS THE CONTACT PADS. STRAIGHTNESS CALLOUT APPLIES TO ZONE DEFINED BY INDICATED DIMENSIONS AND OVERALL CARD WIDTH.

7 WHEN SOJ DEVICES ARE USED FOR ASSEMBLY OF THIS MODULE THE MAXIMUM OVERALL THICKNESS SHALL NOT EXCEED .354 [9,00]. WHEN TSOP DEVICES ARE USED THE MAXIMUM THICKNESS SHALL NOT EXCEED .157 [4,00].

8 CHAMFERING OPERATION MUST NOT CUT INTO PLATED PADS.

MATERIAL:

BODY: GLASS FILLED THERMOPLASTIC, UL 94V-0, COLOR - BROWN.

EJECTOR: GLASS FILLED THERMOPLASTIC, UL 94V-0, COLOR-NATURAL.

CONTACTS: COPPER ALLOY.

RETENTION CLIPS: NICKEL PLATED COPPER ALLOY

CONTACT PLATING.

Z50 PLATING: GOLD FLASH OVER 15 MICROINCHES [0,38 MICRONS] PALLADIUM-NICKEL OVER 50 MICROINCHES [1,27 MICRONS] NICKEL UNDERPLATE IN CRITICAL CONTACT AREA AND 50 MICROINCHES [1,27 MICRONS] SOLDER OVER NICKEL UNDERPLATE ON SOLDER TAILS.

PERFORMANCE CHARACTERISTICS:

CONTACT RESISTANCE: 30 MILLIOHMS MAXIMUM INITIAL, 10 MILLIOHMS MAXIMUM INCREASE THROUGH TESTING.

CONTACT NORMAL FORCE: 1.76 OZ. [50 GRAMS] MINIMUM END OF LIFE.

DURABILITY: 50 CYCLES AS PER MIL-C-21097

INSULATION RESISTANCE. 1000 MEGOHMS MINIMUM.

OPERATING TEMPERATURE:-13°F [-25°C] TO 185°F [85°C].

INSERTION FORCE: MIL-STD-1344, METHOD 2013.1, 7 OZ-FORCE [1,9 N] MAX AVERAGE PER OPPOSING PAIR USING GAUGE PER MIL-C-21097, EXCEPT .050 [1,20] THICK WITH .003/.006 [0,08/0,15] RADII.

BOTH BODY AND CONTACTS ARE ABLE TO WITHSTAND VAPOR PHASE AND IR REFLOW TEMPERATURE EXPOSURES.

SUPERSEDES SKE30145-3

REV	REVISION DESCRIPTION	BY	CHKD	DATE
1	SH.1 SECT Z-Z DIM .156 +.002 -.004 WAS .172 ±.007 (ECN3670)	RS	JJK	02-27-97

LINEAR MEASURE.	INCH / mm	INCH [mm]
THIRD ANGLE PROJECTION		
- TOLERANCES - UNLESS OTHERWISE SPECIFIED		
NO OF DECIMAL PLACES IN INCHES		INCH [mm]
ONE PLACE		±.1 [±3]
TWO PLACES		±.02 [±0.5]
THREE PLACES		±.005 [±0.13]
ANGLES		±1°

ELF CONNECTOR FOR SDRAM

CAT NO ELF200NSCR-4Z50

DWG RELEASED TO CENTRAL FILE 08-17-95

CAGE NO 09922 | DON 964 | PC 723

BURNDY FCI FRAMATOME CONNECTORS INTERNATIONAL

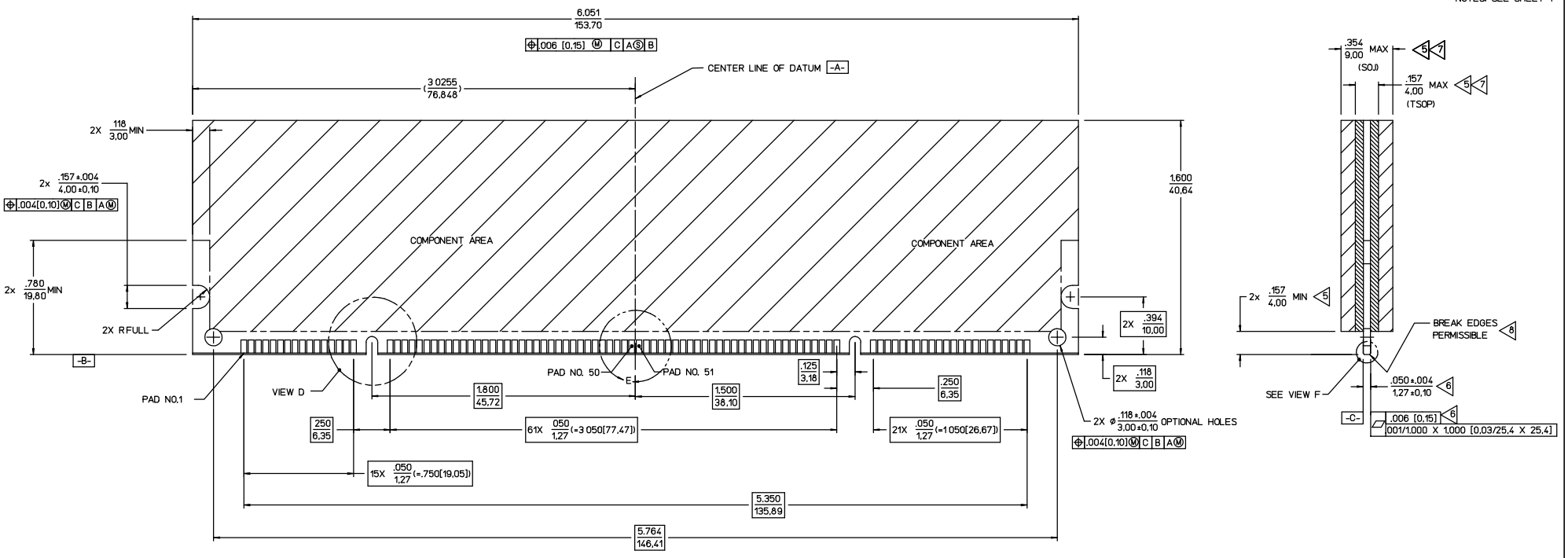
APPROVAL			
DRWN	RPS	5-10-95	
CHKD	SMM	8-15-95	
DSGN	SMM	8-17-95	
MKT	TK	8-17-95	
QC	JB	8-17-95	

DRAWING SCALE 2 : 1

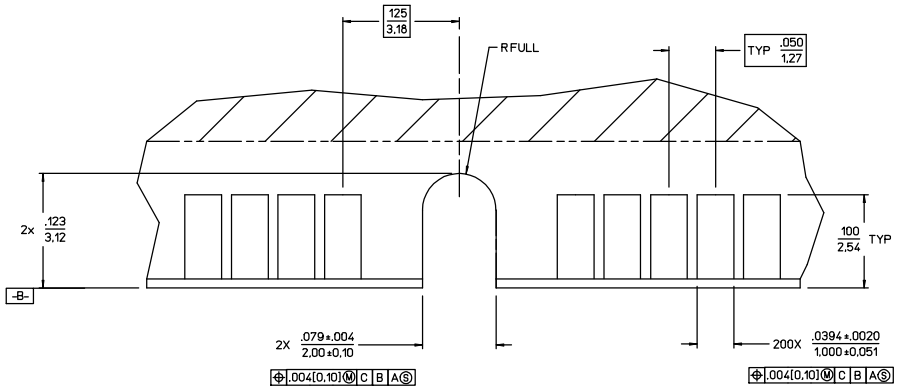
DRAWING NO	REV
SE96354	1

SHEET 1 OF 3

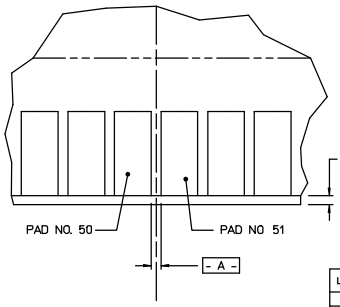
NOTES: SEE SHEET 1



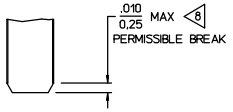
RECOMMENDED DAUGHTERCARD
FOR ELF200NSCR-4Z50



VIEW D
SCALE 15:1



VIEW E
SCALE 15:1



VIEW F
SCALE 15:1

REV	REVISION DESCRIPTION	BY	CHKD	DATE
-	ALL REVS RECORDED ON SHEET 1	-	-	-

ELF CONNECTOR FOR SDRAM

CAT NO ELF200NSCR-4Z50

DWG RELEASED TO CENTRAL FILE 8-17-95

CAGE NO 09922 | DON 964 | PC 723

BURNDY FCI FRAMATOME CONNECTORS INTERNATIONAL

APPROVAL		
DRWN	RPS	5-10-95
CHKD	SMM	8-15-95
DSGN	SMM	8-17-95
MKT	TK	8-17-95
QC	JB	8-17-95

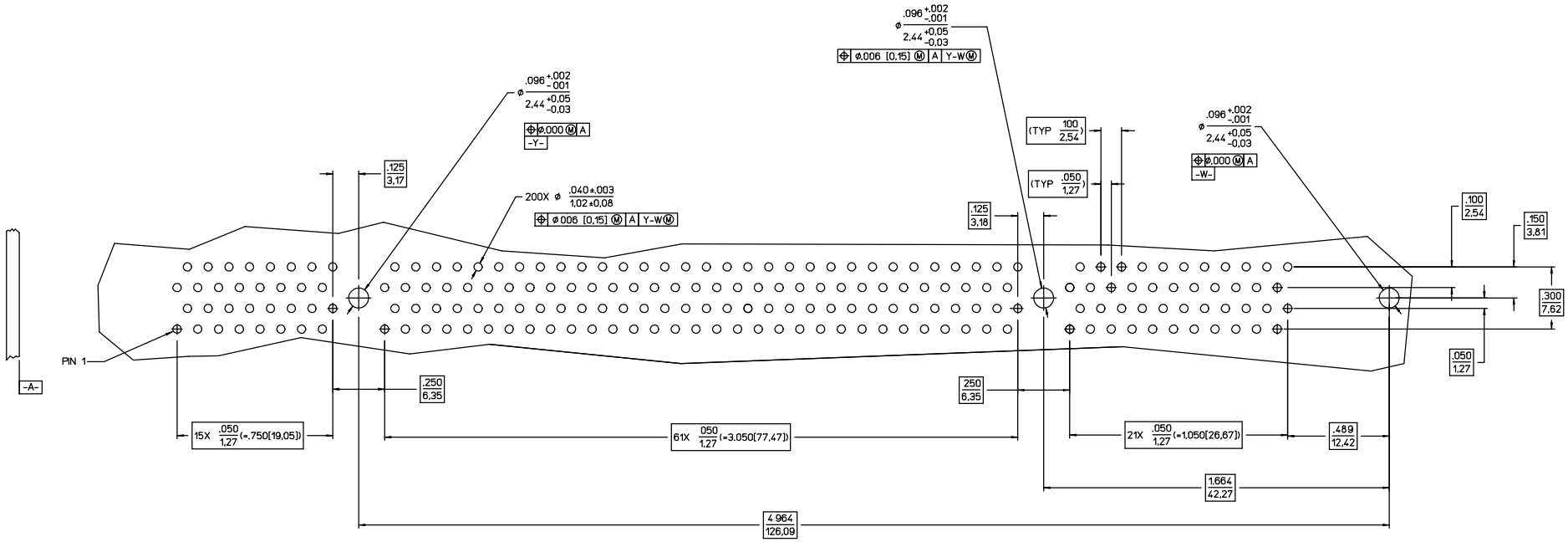
DRAWING SCALE 2.1

DRAWING NO SE96354 REV 1

SHEET 2 OF 3

LINEAR MEASURE.	INCH / mm	INCH [mm]
THIRD ANGLE PROJECTION		
- TOLERANCES - UNLESS OTHERWISE SPECIFIED		
NO OF DECIMAL PLACES IN INCHES		INCH [mm]
ONE PLACE		±.1 [±2,54]
TWO PLACES		±.02 [±0,5]
THREE PLACES		±.005 [±0,13]
ANGLES ±1°		

NOTES: SEE SH 1.



RECOMMENDED HOLE PATTERN
COMPONENT SIDE FOR
ELF200NSCR-4Z50

REV	REVISION DESCRIPTION	BY	CHKD	DATE
—	ALL REVS RECORDED ON SHEET 1			

ELF CONNECTOR FOR SDRAM

CAT NO ELF200NSCR-4Z50

DWG RELEASED TO CENTRAL FILE 8-17-95

CAGE NO 09922 | DON 964 | PC 723

BURNDY FCI FRAMATOME CONNECTORS INTERNATIONAL

APPROVAL			
DRWN	RPS	5-10-95
CHKD	SMM	8-15-95
DSGN	SMM	8-17-95
MKT	TK	8-17-95
QC	JB	8-17-95

DRAWING SCALE 4.1

DRAWING NO SE96354 REV 1

SHEET 3 OF 3

LINEAR MEASURE.	INCH / mm	INCH [mm]
THIRD ANGLE PROJECTION		
– TOLERANCES – UNLESS OTHERWISE SPECIFIED		
NO OF DECIMAL PLACES IN INCHES		INCH [mm]
ONE PLACE		±.1 [±2,54]
TWO PLACES		±.02 [±0,5]
THREE PLACES		±.005 [±0,13]
ANGLES ±1°		