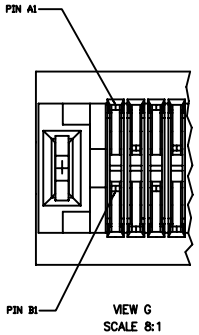
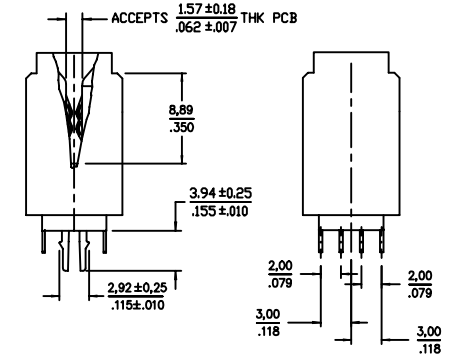




CATALOG NUMBER DESCRIPTION

C B H 2X 170 S C – V _ Z__

- CONNECTOR SERIES CARD EDGE
- BI–LEVEL CONTACTS
- CONTACT SPACING H=1mm [.0394] PITCH
- NUMBER OF ROWS
- NUMBER OF CONTACTS PER ROW
- TERMINATION STYLE S=SOLDERTAIL
- RETENTION STYLE C=METAL CLIP
- V–GROOVE MODULE CARD STABILIZERS
- DESIGN VARIATION 1=2,16 [.085] SOLDER TAILS 4=3,35 [.132] SOLDER TAILS 5=2,54 [.100] SOLDER TAILS
- PLATING DESIGNATION (SEE FINISH)
- BLANK = BROWN W = NATURAL

NOTES: UNLESS OTHERWISE SPECIFIED;

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

2 SEE SHEETS 2 & 3 FOR RECOMMENDED MATING DAUGHTERCARD AND MOTHERBOARD LAYOUTS.

3 MATING DAUGHTERBOARD MATERIAL:
P.C. BOARD: FR–4 WITH 1 OZ [28,35 GRAMS] 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.

4 " NLX " TO BE MOLDED–IN .100" [2,54] MINIMUM TALL ON BOTH (OPPOSING) SIDES OF HOUSING. (–1 VARIATION ONLY).

5 SEE DESIGN VARIATION TABLE FOR SOLDER TAIL LENGTH SELECTION IN CATALOG NUMBER DESCRIPTION.

MATERIALS:

BODY – HIGH TEMPERATURE THERMOPLASTIC, RATED UL 94V–0. COLOR: BROWN.
HIGH TEMPERATURE THERMOPLASTIC, RATED UL 94V–0. COLAR: NATURAL

CONTACTS – COPPER ALLOY

RETENTION CLIPS – COPPER ALLOY

FINISH:

CONTACTS – Z14 PLATING: GOLD FLASH OVER 40 MICROINCHES [1,02 MICRONS] PALLADIUM–NICKEL OVER NICKEL UNDERPLATE IN CRITICAL CONTACT AREA AND 100 MICROINCHES [2,54 MICRONS] SOLDER OVER NICKEL UNDERPLATE ON SOLDER TAILS.

Z51 PLATING: GOLD FLASH OVER 15 MICROINCHES [0,38 MICRONS] PALLADIUM–NICKEL OVER NICKEL UNDERPLATE IN CRITICAL CONTACT AREA AND 100 MICROINCHES [2,54 MICRONS] SOLDER OVER NICKEL UNDERPLATE ON SOLDER TAILS.

RETENTION CLIPS – NICKEL PLATED

PERFORMANCE CHARACTERISTICS:

CONTACT RESISTANCE (LOW SIGNAL LEVEL) . . . . . MIL–STD–1344, METHOD 3002–1, 10 MILLIOHMS MAX INITIAL, 5 MILLIOHMS MAX INCREASE THROUGH TESTING.

CURRENT RATING . . . . . 1 AMPERE, 86°F [30°C] RISE ABOVE AMBIENT.

CONTACT NORMAL FORCE . . . . 1.76 OZ FORCE [0,49 NEWTONS] MINIMUM END OF LIFE.

DURABILITY . . . . . 50 MATING CYCLES WITHOUT PHYSICAL DAMAGE, OR EXCEEDING LOW LEVEL CONTACT RESISTANCE REQUIREMENT WHEN MATED WITH RECOMMENDED CARD EDGE.

INSULATION RESISTANCE . . . MIL–STD–202, METHOD 302, CONDITION B, 1000 MEGOHMS MINIMUM.

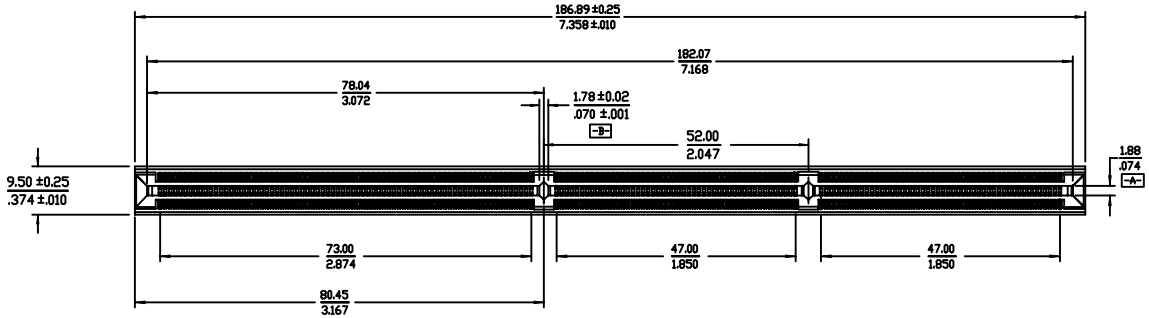
OPERATING TEMPERATURE . . . –40°F TO 221°F [–40°C TO 105°C].

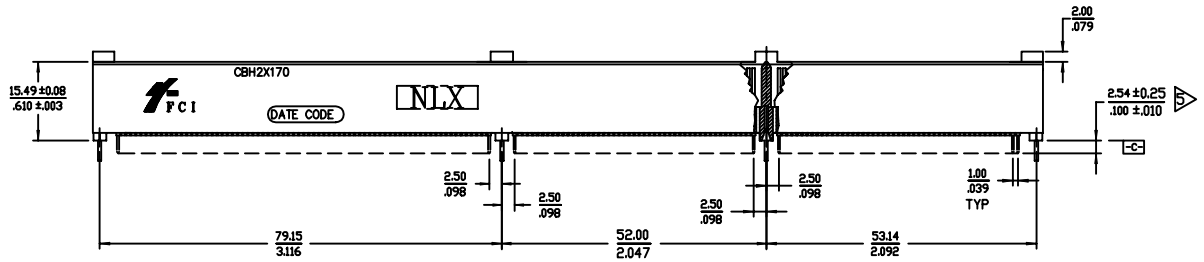
THERMAL SHOCK . . . . . MIL–STD–1344, METHOD 1003.1,:–67°F TO 185°F [–55°C TO 85°C] 5 CYCLES..

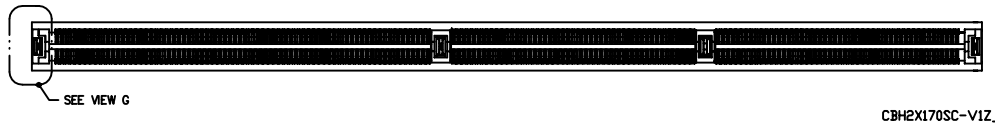
CAPACITANCE . . . . . 2 PICOFARADS MAXIMUM AT 1 MEGAHERTZ.

MATING FORCE . . . . . MIL–STD–1344, METHOD 2013.1, 3.3 OZ. [0.91 NEWTONS] MAX AVERAGE PER OPPOSING PAIR USING STEEL GAUGE PER MIL–STD–C–21097 EXCEPT .062 [1,57] THICK WITH 20° LEAD–IN CHAMFER ANGLE.

CONNECTOR IS COMPATIBLE WITH WAVE SOLDERING AND VAPOR PHASE SOLDERING TECHNIQUES.







CBH2X170SC–V1Z__ AS SHOWN

REV	REVISION DESCRIPTION	BY	CHKD	DATE
5	REV PER (ECN4284)	NLL	CWK	02–03–99
4	REV PER (ECN4226)	NLL	CWK	12–02–98
3	REV PER (ECN4090)	SAF	CWK	07–23–98
2	REV PER (ECN4055)	SAF	CWK	06–24–98
1	REV PER (ECN3754)	DAF	WJW	08–13–97

HIGH DENSITY BILEVEL CARD EDGE CONNECTOR WITH BOARD FASTENING SYSTEM, 1mm SPACING 340 CONTACTS

CAT NO. CBH2X170SC–V_Z__

DWG RELEASED TO CENTRAL FILE 05–30–97

CAGE NO 09922 | DON 3704 | PC 244

FRAMATOME CONNECTORS USA INC.

APPROVALS		
DRWN	TGT	05–13–97
CHKD	TBB	05–12–97
DSGN	TBB	05–12–97
MKT	XXX	XX–XX–XX
QC	XXX	XX–XX–XX

DRAWING SCALE X : 1

DRAWING NO. SE96708 REV 5

SHEET 1 OF 3

LINEAR MEASURE: mm [INCH] mm [INCH]

THIRD ANGLE PROJECTION

– TOLERANCES – UNLESS OTHERWISE SPECIFIED

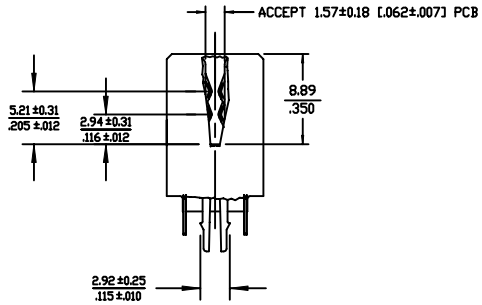
NO OF PLACES IN mm	mm [INCH]
NONE	±.3 [±.1]
ONE PLACE	±0.5 [±.02]
TWO PLACES	±0.13 [±.005]

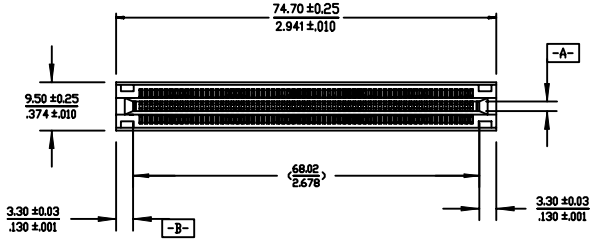
ANGLES ±1°

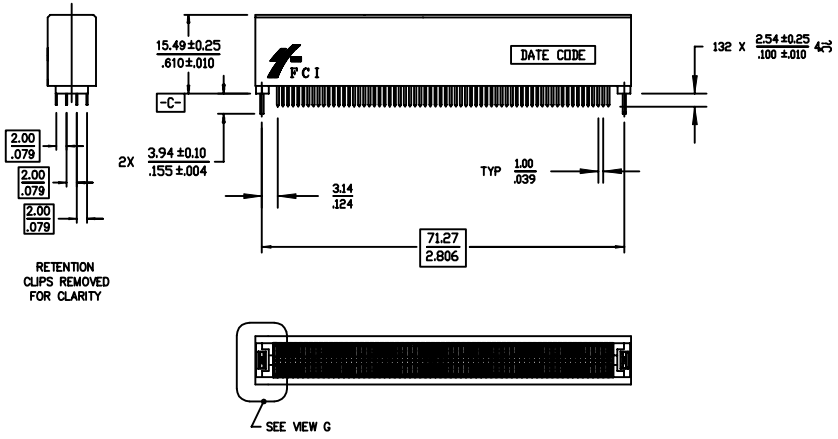
CATALOG NUMBER DESCRIPTION

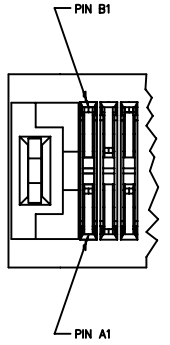
C B H 2X 66 S C – V _ Z__

- CONNECTOR SERIES CARD EDGE
- BI–LEVEL CONTACTS
- CONTACT SPACING H=1mm [.0394] PITCH
- NUMBER OF ROWS
- NUMBER OF CONTACTS PER ROW
- TERMINATION STYLE S=SOLDERTAIL
- RETENTION STYLE C=METAL CLIP
- V–GROOVE MODULE CARD STABILIZERS
- DESIGN VARIATION 1=2,16 [.085] SOLDER TAILS 4=3,35 [.132] SOLDER TAILS 5=2,54 [.100] SOLDER TAILS
- PLATING DESIGNATION (SEE FINISH)









VIEW G
SCALE 8:1

REFERENCE: SE96709

CBH2X66SC-V_Z__ SHOWN

ANY CHANGES TO THIS DRAWING WILL AFFECT DIMENSIONAL ANALYSIS, DATA DRAWING LE96456

SYMBOLS ⟨⟩ INDICATE CLASSIFICATION PER FCI SPECIFICATION D313.

THE SYMBOL ▭ DENOTES INDICATORS FOR STATISTICAL PROCESS CONTROL REQUIREMENTS PER FCI SPECIFICATION D735.

LINEAR MEASURE: mm INCH mm [INCH]

THIRD ANGLE PROJECTION

– TOLERANCES –
UNLESS OTHERWISE SPECIFIED

NO OF PLACES IN mm	mm [INCH]
NONE	±.3 [±.1]
ONE PLACE	±0.5 [±.02]
TWO PLACES	±0.13 [±.005]

ANGLES ±1°

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

HIGH DENSITY BILEVEL CARD EDGE CONNECTOR
RECOMMENDED DAUGHTERCARD LAYOUT

CAT NO. CBH2X__SC–V1Z__ (SEE TABLE)

DWG RELEASED TO CENTRAL FILE 08–02–96

CAGE NO 09922 | DON 3704 | PC 244

FRAMATOME CONNECTORS USA INC.

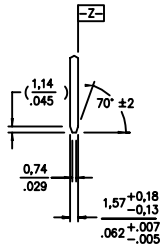
FCI
FRAMATOME CONNECTORS INTERNATIONAL

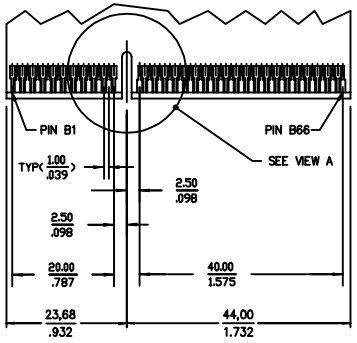
APPROVAL

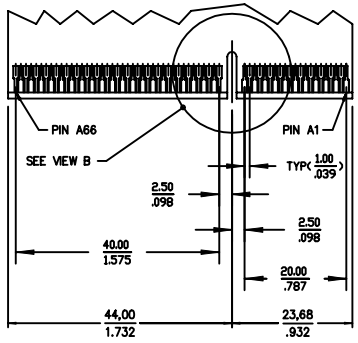
DRWN	TGT 05–14–97
CHKD	TBB 05–14–97
DSGN	XXX XX–XX–XX
MFG	XXX XX–XX–XX
QC	XXX XX–XX–XX

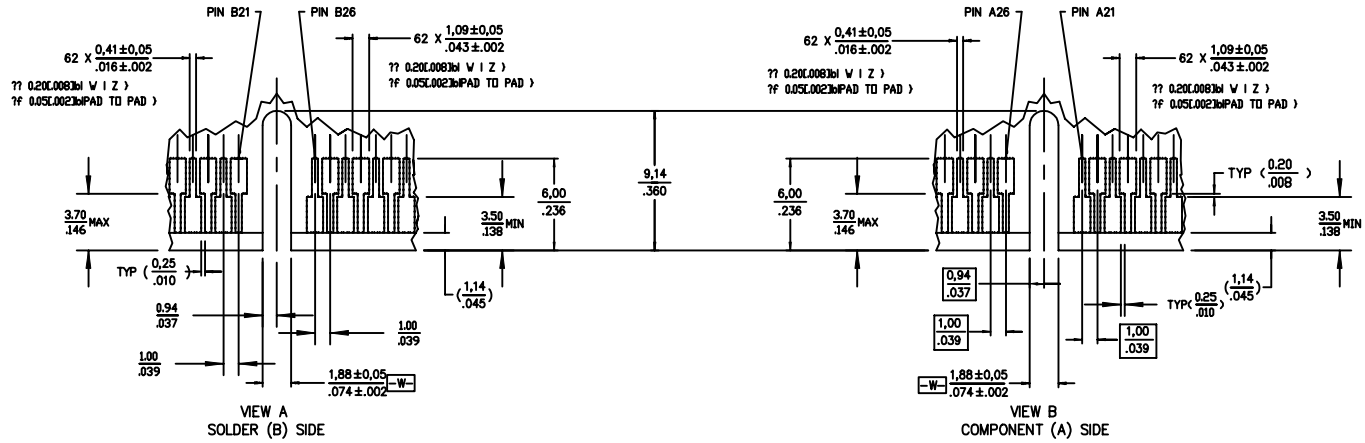
DRAWING SCALE: NONE

DRAWING NO.	REV
SE96709	4









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

HIGH DENSITY BILEVEL CARD EDGE CONNECTOR
RECOMMENDED DAUGHTER CARD LAYOUT

CAT NO. CBH2X__SC-V1Z__ (SEE SHEET 1)

LINEAR MEASURE:	mm [INCH]
THIRD ANGLE PROJECTION	
- TOLERANCES - UNLESS OTHERWISE SPECIFIED	
NO OF PLACES IN mm	mm [INCH]
NONE	±.3 [±.1]
ONE PLACE	±0.5 [±.02]
TWO PLACES	±0.13 [±.005]
ANGLES ±1°	

DWG RELEASED TO CENTRAL FILE XX-XX-XX
CAGE NO 09922 | DON 3704 | PC 244
FRAMATOME CONNECTORS USA INC.

FCI
FRAMATOME CONNECTORS INTERNATIONAL

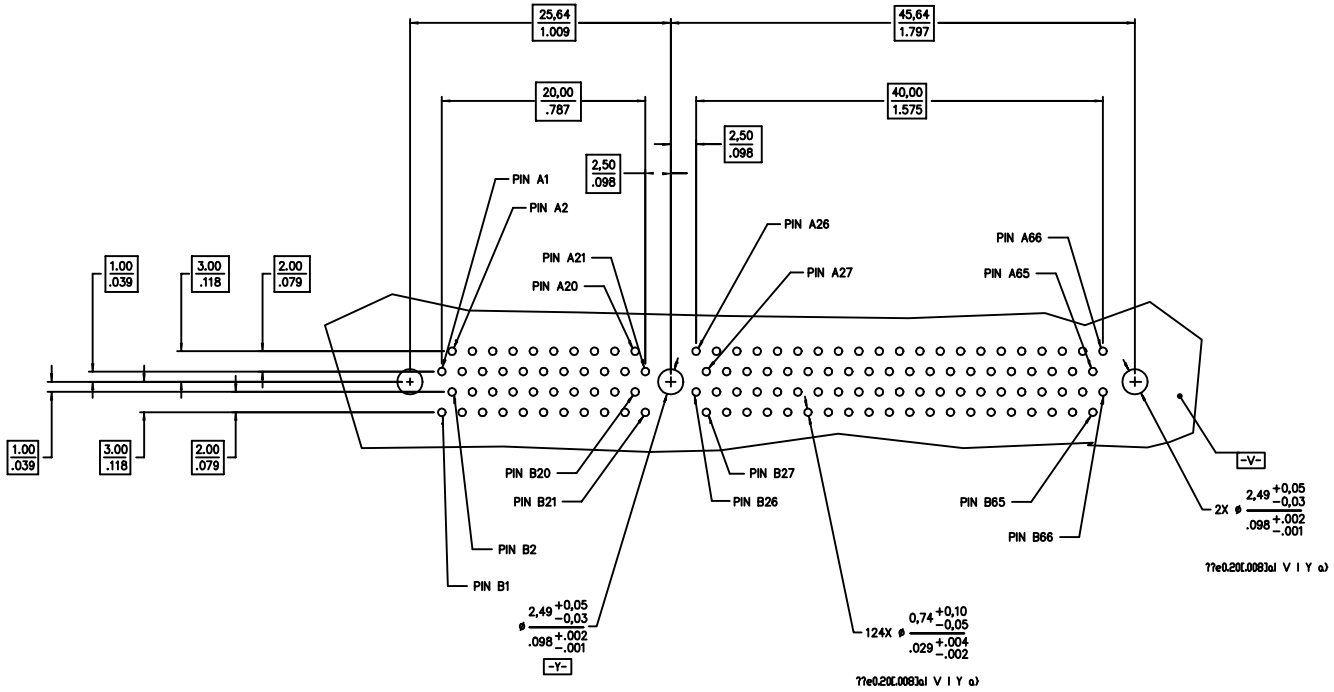
APPROVAL

DRWN	TGT 05-14-97	
CHKD	TBB 05-14-97	
DSGN	XXX XX-XX-XX	
MKTG	XXX XX-XX-XX	
QC	XXX XX-XX-XX	

DRAWING SCALE 2 : 1

DRAWING NO.	REV
SE96709	4

SHEET 3 OF 5



RECOMMENDED MOTHERBOARD LAYOUT
FOR CBH2X62SC-V1Z___

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

HIGH DENSITY BILEVEL CARD EDGE CONNECTOR
RECOMMENDED MOTHERBOARD LAYOUT

CAT NO. CBH2X___SC-V1Z___ (SEE SHEET 1)

DWG RELEASED TO CENTRAL FILE XX-XX-XX
CAGE NO 09922 | DON 3704 | PC 244
FRAMATOME CONNECTORS USA INC.

LINEAR MEASURE: mm [INCH]	
THIRD ANGLE PROJECTION	
– TOLERANCES – UNLESS OTHERWISE SPECIFIED	
NO OF PLACES IN mm	mm [INCH]
NONE	±3 [±.1]
ONE PLACE	±0.5 [±.02]
TWO PLACES	±0.13 [±.005]
ANGLES ±1°	

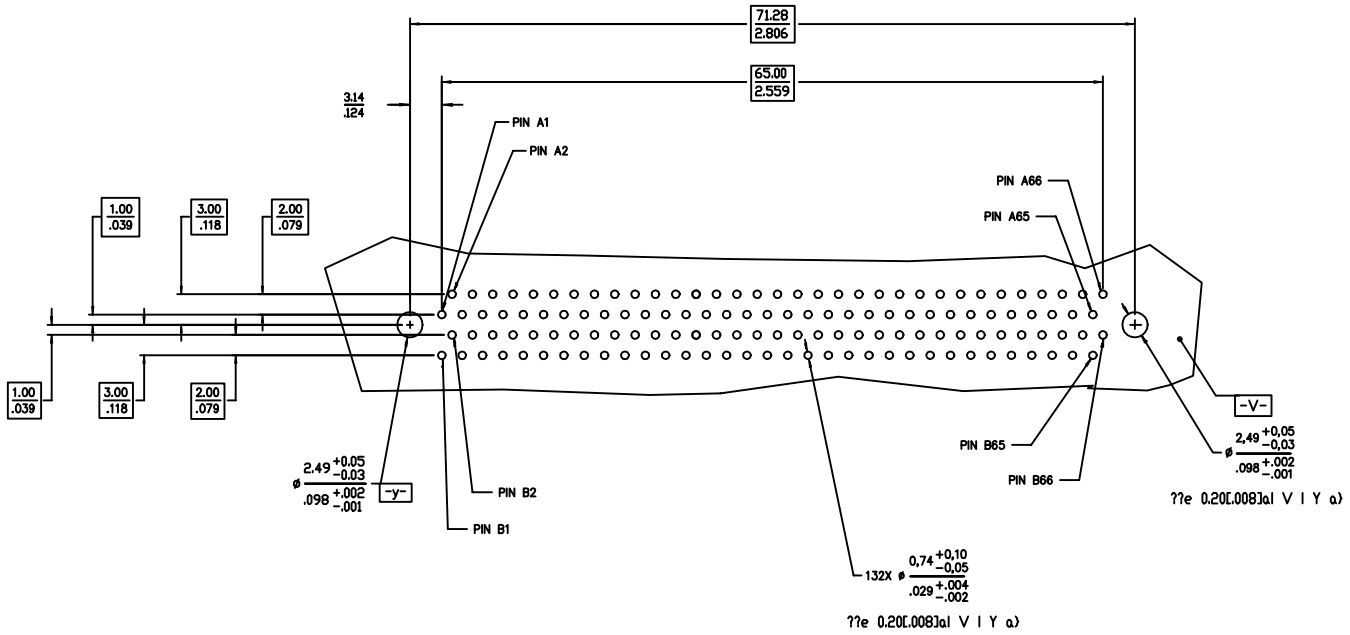
APPROVAL

DRWN	TGT 05-14-97
CHKD	TBB 05-14-97
DSGN	XXX XX-XX-XX
MKTG	XXX XX-XX-XX
QC	XXX XX-XX-XX

DRAWING SCALE 4 : 1

DRAWING NO.	REV
SE96709	4

SHEET 4 OF 5



RECOMMENDED MOTHERBOARD LAYOUT
FOR CBH2X66SC-V1Z___

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

HIGH DENSITY BILEVEL CARD EDGE CONNECTOR
RECOMMENDED MOTHERBOARD LAYOUT

CAT NO. CBH2X___SC-V1Z___ (SEE SHEET 1)

DWG RELEASED TO CENTRAL FILE XX-XX-XX
CAGE NO 09922 | DON 3704 | PC 244
FRAMATOME CONNECTORS USA INC.

APPROVAL		
DRWN	TGT 05-14-97	
CHKD	TBB 05-14-97	
DSGN	XXX XX-XX-XX	
MKTG	XXX XX-XX-XX	
QC	XXX XX-XX-XX	

DRAWING SCALE 4 : 1

DRAWING NO.	REV
SE96709	4

SHEET 5 OF 5

LINEAR MEASURE: mm [INCH]
THIRD ANGLE PROJECTION
– TOLERANCES –
UNLESS OTHERWISE SPECIFIED

NO OF PLACES IN mm	mm [INCH]
NONE	±3 [±.1]
ONE PLACE	±0.5 [±.02]
TWO PLACES	±0.13 [±.005]

ANGLES ±1°

FCI
FRAMATOME CONNECTORS INTERNATIONAL