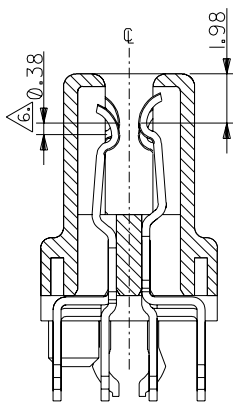
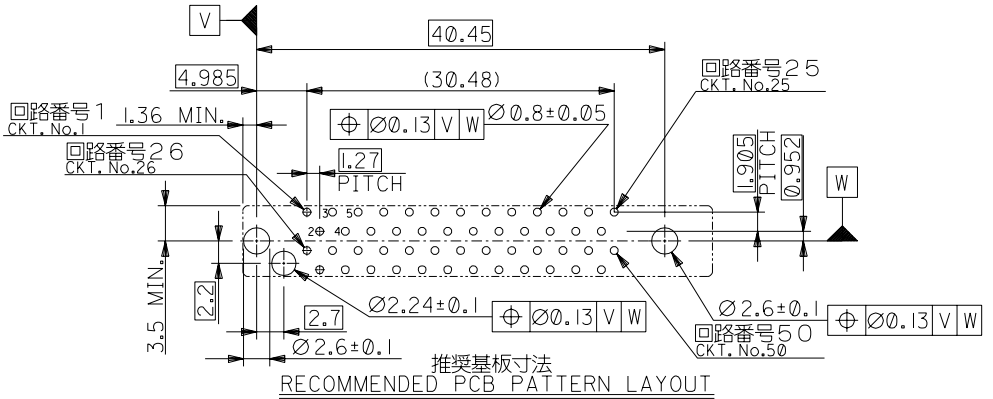
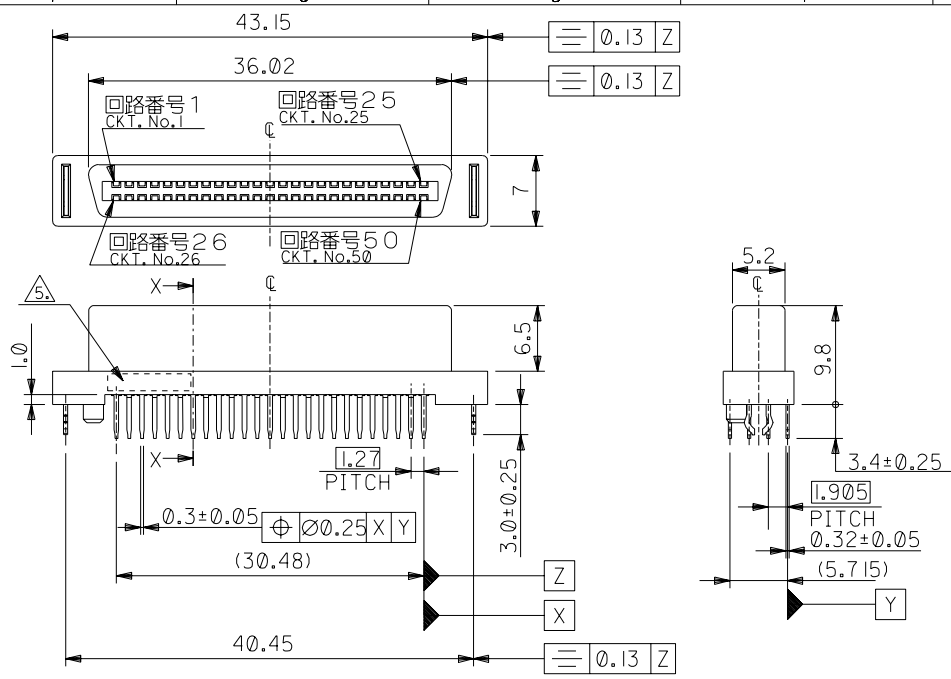


DWG. NO. SD-71660-001



SECTION X-X  
(SCALE:5-1)



推奨基板寸法  
RECOMMENDED PCB PATTERN LAYOUT

注) NOTES.  
1. 材質 MATERIAL  
ハウジング : 液晶ポリマー (LCP) ガラス充填  
HOUSING : UL94V-0 色:黒  
LIQUID CRYSTAL POLYMER (LCP)  
GLASS FILLED UL94V-0, BLACK.  
ターミナル : リン青銅  
TERMINAL : PHOSPHOR BROZE  
金属ペグ : リン青銅  
METAL PEG : PHOSPHOR BROZE  
2.メッキ仕様 PLATING  
ターミナル : 金メッキ 最小 0.76 マイクロメートル  
TERMINAL : CONTACT AREA GOLD PLATING 0.76 MICRON METER MINIMUM.  
接点部 : 金メッキ 最小 0.76 マイクロメートル  
CONTACT AREA GOLD PLATING 0.76 MICRON METER MINIMUM.  
半田付け部 : 錫メッキ 最小 1.27 マイクロメートル  
SOLDER TAIL AREA TIN 1.27 MICRON METER MINIMUM.  
下地メッキ : ニッケルメッキ 最小 1.91 マイクロメートル  
UNDER PLATING NICKEL 1.91 MICRON METER MINIMUM.  
金属ペグ : 錫メッキ 最小 1.27 マイクロメートル  
METAL PEG TIN 1.27 MICRON METER MINIMUM.

71661-****	PS-71660-002
嵌合相手 MATED CONN.	納入仕様書 PRODUCT SPECIFICATION

4. 推奨基板厚 RECOMMENDED P.C.BOARD THICKNESS  
+1.6 ±0.13  
5. 製造週番を示す。例 (週, 年) = > (26, 96)  
FOUR DIGIT DATE CODE (WK, YR), EXAMPLE => 26 96  
LOCATED IN AREA INDICATED.  
6. 適用極 2~4, 8~11, 14, 17, 20, 23, 26~29,  
31, 32, 34, 36, 39, 42, 45, 48, 49 (合計24極)  
APPLIES CKTS NO.2 THRU 4, 8 THRU 11, 14, 17, 20, 23, 26 THRU 29,  
31, 32, 34, 36, 39, 42, 45, 48, 49 (TOTAL 24 CKTS.)

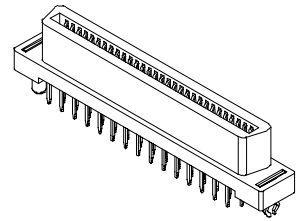
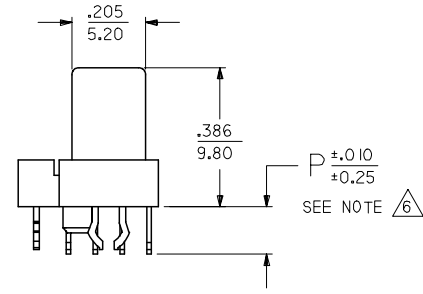
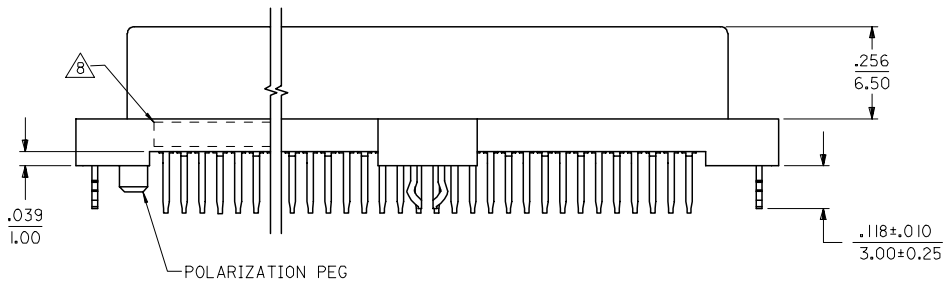
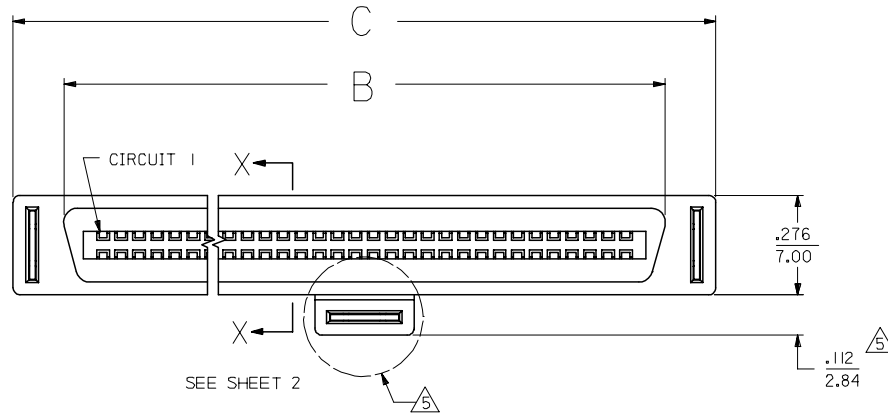
71660-1550	50	71660-15**
MATERIAL NO.	("N") 極数	MODEL NO.

DO NOT SCALE DRAWING

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	変更 REVISED EC NO. J2004-4542 DRWN: Y. WADA '04/06/01 CHK: M. SASAO '04/06/01 APPR: M. SASAO '04/06/01 新規作成 RELEASED EC NO. JD81756 DRWN: E. Toyoda '98/06/25 CHK: H. Sasaki '98/06/25 APPR: H. Sasaki '98/06/25	MATERIAL 材料 SEE NOTES. FINISH 仕上げ SEE NOTES. WIRE RANGE 適用線径範囲 — INS. RANGE 被覆外径 —	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差 10 UNDER 未満 ±0.2 10 OVER 30 UNDER 以上 未満 ±0.25 30 OVER 以上 ±0.3 ANGLE 角度 ±3°	SCALE 2-1 DESIGN UNITS mm INCH THIRD ANGLE PROJECTION DRAWN BY & DATE E. Toyoda '98/06/25 CHECKED BY & DATE H. Sasaki '98/06/25 APPROVED BY & DATE H. Sasaki '98/06/25 CAD FILENAME 71660001.S01	DIMENSIONS: mm INCH mm ONLY SHT REV REVISE ON CAD ONLY	TITLE: EBBI 50D VERTICAL RECEPTACLE CONNECTOR -LEAD FREE- MOLEX INCORPORATED	MATERIAL NO. DRAWING NO. SD-71660-001 SHEET NO. 1 OF 1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. SIZE B
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NOTES:

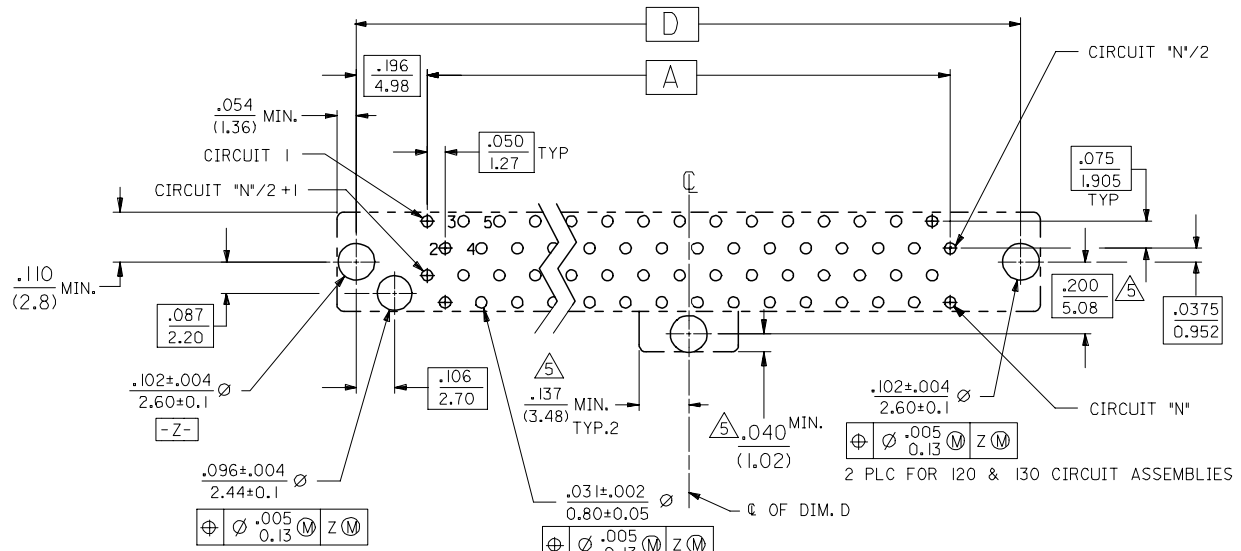
- 1) MATERIALS:  
HOUSING- LCP, GLASS FILLED, 94V-0, BLACK.  
TERMINALS- COPPER ALLOY  
METAL PEGS- COPPER ALLOY
- 2) FINISH:  
TERMINALS:  
.000030/(0.00076) MINIMUM GOLD IN CONTACT AREA OVER  
.000050/(0.00127) MINIMUM TIN IN TAIL AREA OVER  
.000075/(0.00191) MINIMUM NICKEL UNDERPLATE OVERALL.
- 3) ASSEMBLY MATES WITH MOLEX P/N SDA-71661-\*\*\*\*.
- 4) CONFORMS TO PRODUCT SPECIFICATION PS-71660.
- 5) CENTER PEG IS ONLY ON I20 AND I30 CIRCUIT ASSEMBLIES.
- 6) TAIL LENGTH ON FIRST MATE CONTACTS IS APPROXIMATELY .010 INCH/0.25 MM SHORTER THAN THE TAIL LENGTH SPECIFIED.
- 7) CONNECTOR WILL ACCEPT MATING TO A P.C. BOARD WITH A THICKNESS OF .062±.003.
- 8) FOUR DIGIT DATE CODE (WK YR), EXAMPLE => 26 96 LOCATED IN AREA INDICATED.
- 9) SEE CHART FOR PACKAGING INFORMATION.



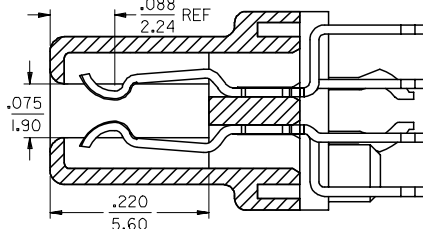
60 CIRCUIT ASSEMBLY SHOWN  
SCALE 2:1

3	0
2	0
1	0
SHT	REV

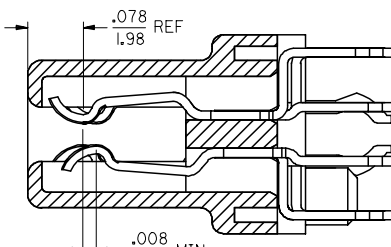
UPDATE BORDER FC NO: UCP2007-0935 DRAWN BY: BARKER 2006/11/06 CHKD: MIBARRA 2006/11/06 APPR: SMILLER 2006/11/07	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION																	
		<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0005</td> </tr> <tr> <td>3 PLACES</td> <td>± .010</td> <td>± .0010</td> </tr> <tr> <td>2 PLACES</td> <td>± .015</td> <td>± .0015</td> </tr> <tr> <td>1 PLACE</td> <td>± .025</td> <td>± .0025</td> </tr> </table>			mm	INCH	4 PLACES	± .005	± .0005	3 PLACES	± .010	± .0010	2 PLACES	± .015	± .0015	1 PLACE	± .025	± .0025	DRAWN BY RAN		DATE 6/15/92	SALES ASSEMBLY MOLEX EBBI 50D VERTICAL RECEPTACLE CONNECTOR			
			mm	INCH																					
		4 PLACES	± .005	± .0005																					
3 PLACES	± .010	± .0010																							
2 PLACES	± .015	± .0015																							
1 PLACE	± .025	± .0025																							
ANGULAR ±1/2°		CHECKED BY RAN		DATE 6/15/92																					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY CAB		DATE 6/15/92	MOLEX INCORPORATED DOCUMENT NO.		SHEET NO. 1 OF 3																		
		MATERIAL NO.		SIZE C		SEE TABLE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SDA-71660-1***																	



(FOR 40, 60, 68, 80, 100, 120 CIRCUITS ONLY)



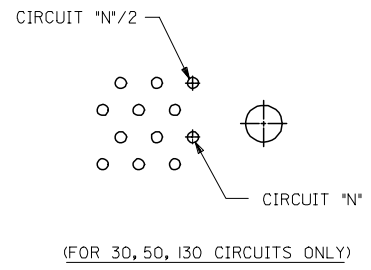
STANDARD PRODUCT



FMLB OPTION

SECTION X-X  
SCALE - 8:1

RECOMMENDED PC BOARD LAYOUT  
COMPONENT SIDE



UPDATE BORDER FC NO: UCP2007-0935 DRWN: BARKER 2006/11/06 CHKD: MIBARRA 2006/11/06 APPR: SMILLER 2006/11/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± .005	DRAWN BY RAN	DATE 6/15/92	TITLE SALES ASSEMBLY MOLEX EBBI 50D VERTICAL RECEPTACLE					
		2 PLACES ± 0.13 ± .010	1 PLACE ± 0.25 ± ---	CHECKED BY RAN	DATE 6/15/92	MOLEX INCORPORATED					
		ANGULAR ±1/2°		APPROVED BY CAB	DATE 6/15/92	MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-71660-1***	SHEET NO. 2 OF 3		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

J

I

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A

ENGINEERING NUMBER	EDP NUMBER	PACKAGING SPEC	CKT (*N*)	A	B	C	D	P	ADVANCED TERMINALS / CKTS SEE SECTION X-X *FMLB OPT*
SDA-71660-1030	015-92-1030	PK-71660	30	.700 (17.78)	.918 (23.32)	1.199 (30.45)	1.092 (27.75)	.134 (3.40)	N/A
SDA-71660-1040	015-92-1040	PK-71660	40	.950 (24.13)	1.168 (29.67)	1.449 (36.80)	1.342 (34.10)		
SDA-71660-1050	015-92-1050	PK-71660	50	1.200 (30.48)	1.418 (36.02)	1.699 (43.15)	1.592 (40.45)		
SDA-71660-1060	015-92-1060	PK-71660	60	1.450 (36.83)	1.668 (42.37)	1.949 (49.50)	1.842 (46.80)		
SDA-71660-1068	015-92-1068	PK-71660	68	1.650 (41.91)	1.868 (47.45)	2.149 (54.58)	2.042 (51.88)		
SDA-71660-1080	015-92-1080	PK-71660	80	1.950 (49.53)	2.168 (55.07)	2.449 (62.20)	2.342 (59.50)		
SDA-71660-1100	015-92-1100	PK-71660	100	2.450 (62.23)	2.668 (67.77)	2.949 (74.90)	2.842 (72.20)		
SDA-71660-1120	015-92-1120	PK-71660	120	2.950 (74.93)	3.168 (80.47)	3.449 (87.60)	3.342 (84.90)		
SDA-71660-1130	015-92-1130	PK-71660	130	3.200 (81.28)	3.418 (86.82)	3.699 (93.95)	3.592 (91.25)	.110 (2.79)	N/A
SDA-71660-1330	015-92-1430	PK-71660	30	.700 (17.78)	.918 (23.32)	1.199 (30.45)	1.092 (27.75)		
SDA-71660-1340	015-92-1440	PK-71660	40	.950 (24.13)	1.168 (29.67)	1.449 (36.80)	1.342 (34.10)		
SDA-71660-1350	015-92-1450	PK-71660	50	1.200 (30.48)	1.418 (36.02)	1.699 (43.15)	1.592 (40.45)		
SDA-71660-1360	015-92-1460	PK-71660	60	1.450 (36.83)	1.668 (42.37)	1.949 (49.50)	1.842 (46.80)		
SDA-71660-1368	015-92-1468	PK-71660	68	1.650 (41.91)	1.868 (47.45)	2.149 (54.58)	2.042 (51.88)		
SDA-71660-1380	015-92-1480	PK-71660	80	1.950 (49.53)	2.168 (55.07)	2.449 (62.20)	2.342 (59.50)		
SDA-71660-1400	015-92-1500	PK-71660	100	2.450 (62.23)	2.668 (67.77)	2.949 (74.90)	2.842 (72.20)		
SDA-71660-1401	015-92-1501	PK-70873-0816	100	2.450 (62.23)	2.668 (67.77)	2.949 (74.90)	2.842 (72.20)	.134 (3.40)	2-4, 8-11, 14, 17, 20, 23, 26-29, 31, 32, 34, 36, 39, 42, 45, 48, 49
SDA-71660-1420	015-92-1520	PK-71660	120	2.950 (74.93)	3.168 (80.47)	3.449 (87.60)	3.342 (84.90)		
SDA-71660-1430	015-92-1530	PK-71660	130	3.200 (81.28)	3.418 (86.82)	3.699 (93.95)	3.592 (91.25)		
SDA-71660-1550	015-92-1550	PK-71660	50	1.200 (30.48)	1.418 (36.02)	1.699 (43.15)	1.592 (40.45)	.155 (3.94)	N/A
SDA-71660-1630	716601630	PK-71660	30	.700 (17.78)	.918 (23.32)	1.199 (30.45)	1.092 (27.75)		
SDA-71660-1640	716601640	PK-71660	40	.950 (24.13)	1.168 (29.67)	1.449 (36.80)	1.342 (34.10)		
SDA-71660-1650	716601650	PK-71660	50	1.200 (30.48)	1.418 (36.02)	1.699 (43.15)	1.592 (40.45)		
SDA-71660-1660	716601660	PK-71660	60	1.450 (36.83)	1.668 (42.37)	1.949 (49.50)	1.842 (46.80)		
SDA-71660-1668	716601668	PK-71660	68	1.650 (41.91)	1.868 (47.45)	2.149 (54.58)	2.042 (51.88)		
SDA-71660-1680	716601680	PK-71660	80	1.950 (49.53)	2.168 (55.07)	2.449 (62.20)	2.342 (59.50)		
SDA-71660-1700	716601700	PK-71660	100	2.450 (62.23)	2.668 (67.77)	2.949 (74.90)	2.842 (72.20)		
SDA-71660-1720	716601720	PK-71660	120	2.950 (74.93)	3.168 (80.47)	3.449 (87.60)	3.342 (84.90)		
SDA-71660-1730	716601730	PK-71660	130	3.200 (81.28)	3.418 (86.82)	3.699 (93.95)	3.592 (91.25)		

UPDATE BORDER EC NO: UCP2007-0935 O DRAWN: BARKER 2006/11/06 CHKD: 2006/11/06 APPR: SMILLER 2006/11/07 REVISIONS DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0 ▽=0	mm      INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .010 1 PLACE ± 0.25 ± --- ANGULAR ±1/2°	IN/MM	4:1	INCH	☉ □ THIRD ANGLE PROJECTION
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY      DATE RAN              6/15/92 CHECKED BY    DATE RAN              6/15/92 APPROVED BY    DATE CAB              6/15/92	TITLE SALES ASSEMBLY MOLEX EBBI 50D VERTICAL RECEPTACLE		
			MATERIAL NO. SEE CHART SIZE C	DOCUMENT NO. SDA-71660-1****		SHEET NO. 3 OF 3