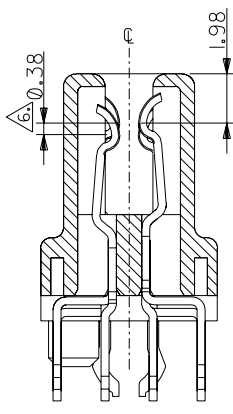
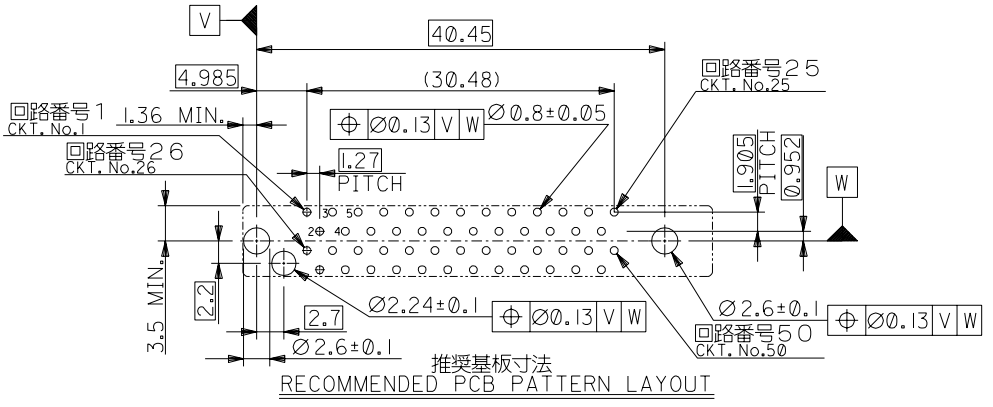
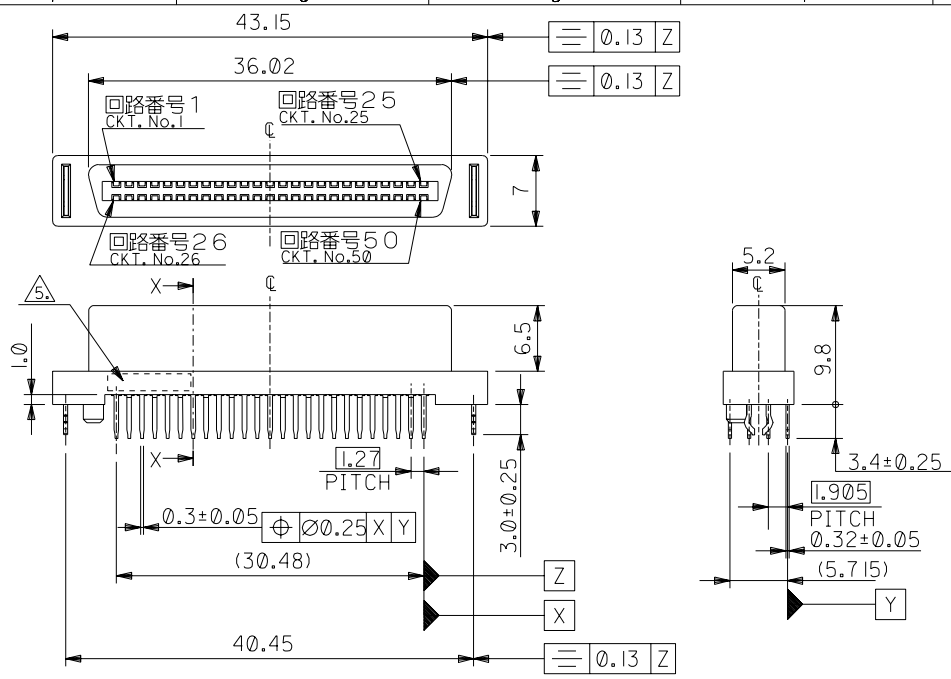


DWG. NO. SD-71660-001



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 : UL 94V-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	変更 REVISED	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	EC NO. J2004-4542 DRWN: Y.WADA '04/06/01 CHK: M.SASAO '04/06/01 APPR: M.SASAO '04/06/01	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	新規作成 RELEASED
EC NO. JDB1756 DRWN: R. Toyoda '98/06/25 CHK: H. Sasaki '98/06/25 APPR: H. Sasaki '98/06/25	EC NO. JDB1756 DRWN: R. 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	—

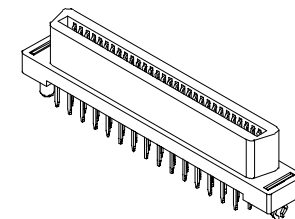
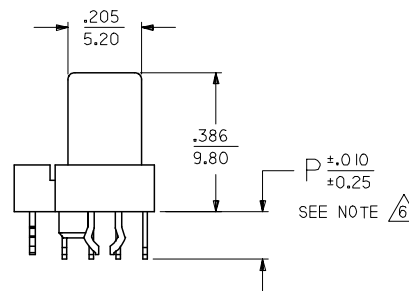
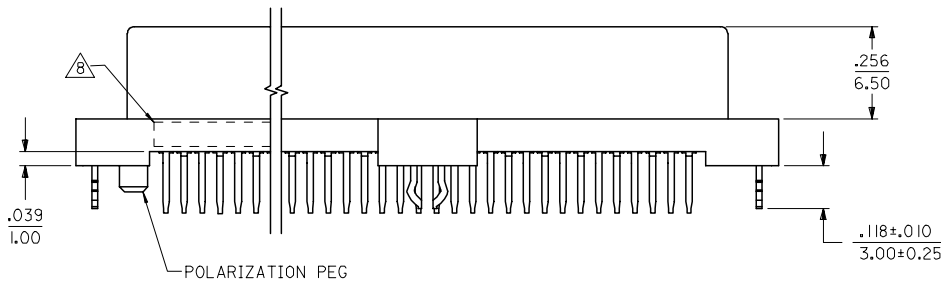
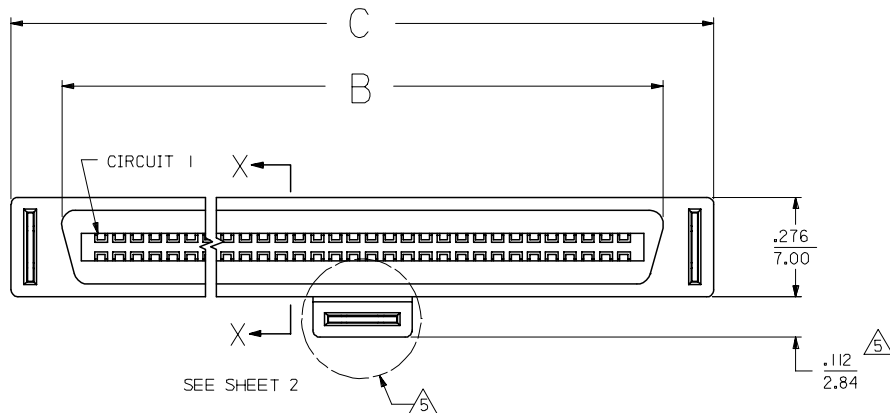
GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 2-1	DESIGN UNITS mm INCH
10 UNDER 未満	±0.2	
10 OVER 30 UNDER 以上 未満	±0.25	
30 OVER 以上	±0.3	
ANGLE 角度	±3°	

DRAWN BY & DATE R. Toyoda '98/06/25	TITLE: EBB1 50D VERTICAL RECEPTACLE CONNECTOR -LEAD FREE-
CHECKED BY & DATE H. Sasaki '98/06/25	
APPROVED BY & DATE H. Sasaki '98/06/25	
CAD FILENAME 71660001.S01	

DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY		SHT	REV
THIRD ANGLE PROJECTION		REVISE ON CAD ONLY	
MOLEX INCORPORATED		MATERIAL NO. SEE CHART	DRAWING NO. SD-71660-001
		SHEET NO. 1 OF 1	SIZE B

NOTES:

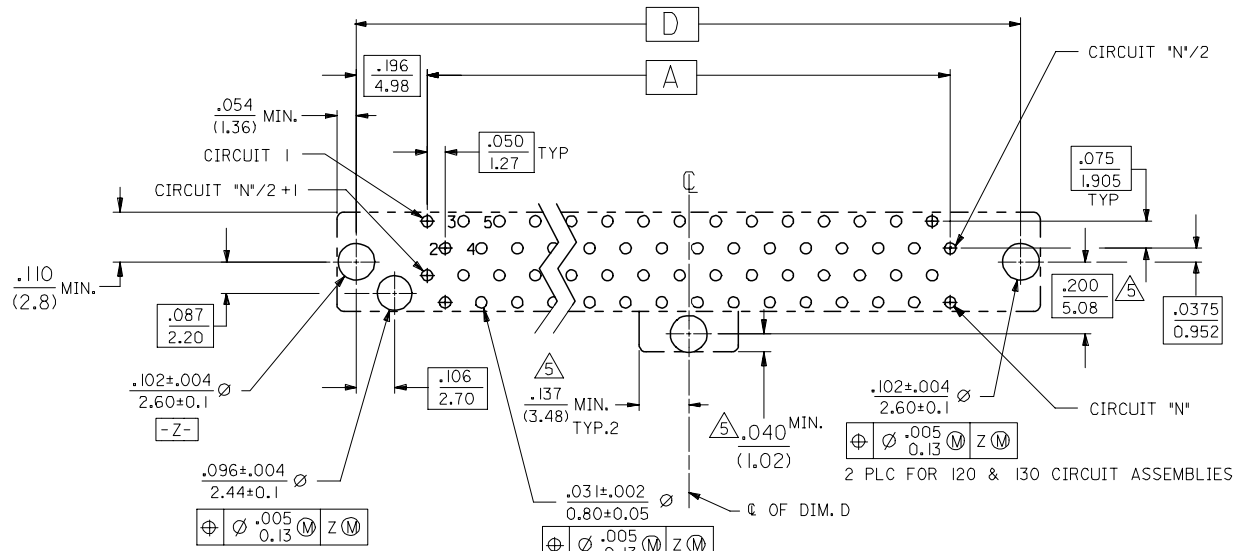
- 1) MATERIALS:  
HOUSING- LCP, GLASS FILLED, 94V-0, BLACK.  
TERMINALS- COPPER ALLOY  
METAL PEGS- COPPER ALLOY
- 2) FINISH:  
TERMINALS:  
.000030/(0.00076) MINIMUM GOLD IN CONTACT AREA OVER  
.000050/(0.00127) MINIMUM TIN IN TAIL AREA OVER  
.000075/(0.00191) MINIMUM NICKEL UNDERPLATE OVERALL.
- 3) 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.



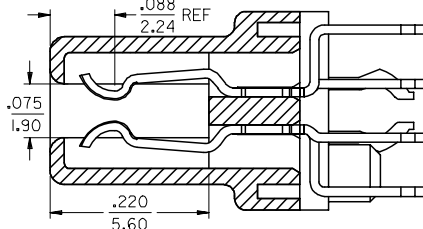
60 CIRCUIT ASSEMBLY SHOWN  
SCALE 2:1

3	0
2	0
1	0
SHT	REV

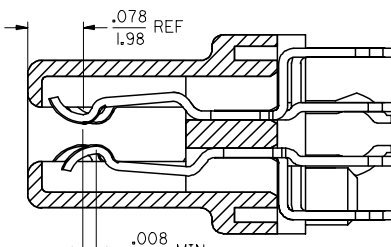
UPDATE BORDER FC NO: UCP2007-0935 DRAWN: BARKER 2006/11/06 CHKD: MIBARRA 2006/11/06 APPR: SMILLER 2006/11/07	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		=0 ∇=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES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



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



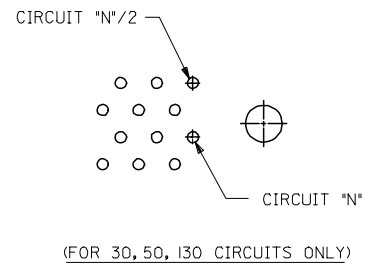
STANDARD PRODUCT



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

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D

C

B

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)	.110 (2.79)	N/A
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)		
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)	.134 (3.40)	2-4, 8-11, 14, 17, 20, 23, 26-29, 31, 32, 34, 36, 39, 42, 45, 48, 49
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)		
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)		
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)	.155 (3.94)	N/A
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	DRAWN BY      DATE RAN              6/15/92 CHECKED BY    DATE RAN              6/15/92 APPROVED BY    DATE CAB              6/15/92	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART	SALES ASSEMBLY MOLEX EBBI 50D VERTICAL RECEPTACLE		MOLEX INCORPORATED MATERIAL NO.      DOCUMENT NO.      SHEET NO. SDA-71660-1****      3 OF 3	
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						