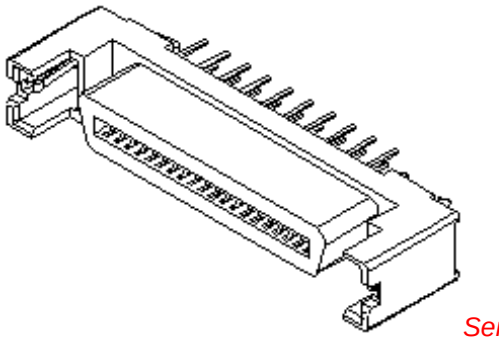
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Part Number: 0717431045
Status: Active
Description: 1.27mm (.050") Pitch EBBI™ 50D Receptacle, Vertical SCA-2, 40 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-73826-0000 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	71743
Application	Board-to-Board
Product Name	EBBI™

Physical

Circuits (Loaded)	40
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.148 In
PC Tail Length (mm)	3.75 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	10
Plating min: Termination (µm)	0.25
Polarized to PCB	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	30V

Solder Process Data

Lead-free Process Capability	SMC & Wave Capable (TH only)
Process Temperature max. C	260

Material Info

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
71743Series

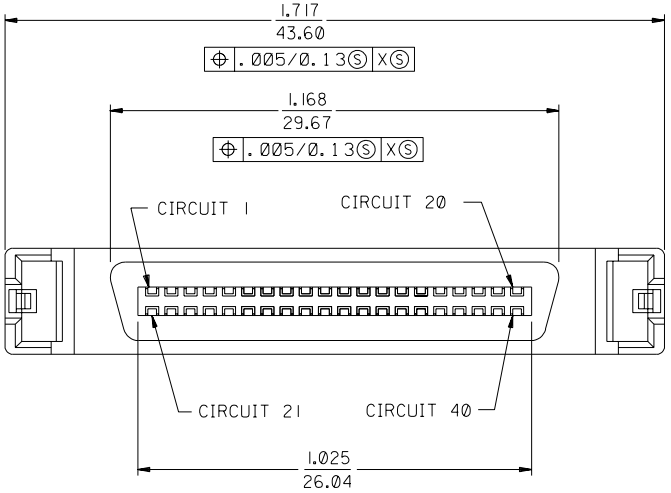
Mates With
87572 , 87571 , 87012

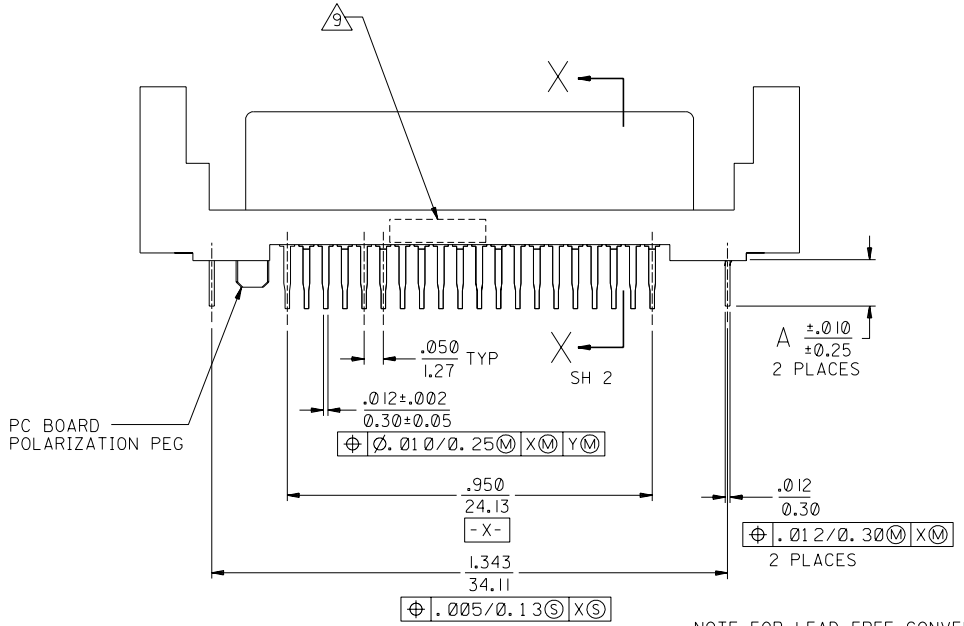
Reference - Drawing Numbers

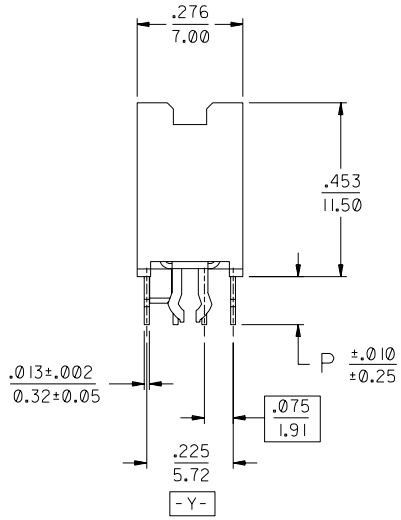
Product Specification	PS-73826-0000
Sales Drawing	SDA-71743-104*

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NOTES:

1) MATERIALS:
HOUSING- LIQUID CRYSTAL POLYMER (LCP), GLASS FILLED, UL 94V-0, BLACK.
TERMINALS- COPPER ALLOY
ESD METAL PEGS- COPPER ALLOY.

△2 PLATING OPTION 1:
TERMINALS:
.000030/(0.00076) MINIMUM GOLD IN CONTACT AREA AND
.000100/(0.00254) MINIMUM TIN IN TAIL AREA OVER NICKEL UNDERPLATING OVERALL.
ESD METAL PEGS:
.000150/(0.00381) MINIMUM TIN OVER NICKEL UNDERPLATING OVERALL.

△3 PLATING OPTION 2:
TERMINALS: GOLD FLASH IN SELECT CONTACT AREA OVER
.000030/(0.00076) MINIMUM PALLADIUM NICKEL IN CONTACT AREA AND
.000075/(0.00191) MINIMUM TIN IN TAIL AREA OVER NICKEL UNDERPLATING OVERALL.
ESD METAL PEGS:
.000150/(0.00381) MINIMUM TIN OVER NICKEL UNDERPLATING OVERALL.

4) CONFORMS TO PRODUCT SPECIFICATION PS-73826-0000.

△5 CIRCUIT NUMBERS 21 THRU 23, 26, 29, 32, 35 THRU 40, ARE ADVANCED (LONG) TERMINALS FOR SEQUENTIAL MATING.

△6 CONNECTOR WILL ACCEPT MATING TO A P.C. BOARD WITH A THICKNESS OF .062±.003 (1.60±0.08).

7) SEE TABLE FOR RECOMMENDED P.C. BOARD THICKNESS.

8 PRODUCT PACKAGED PER PK-70873-083*

△9 FOUR DIGIT DATE CODE (WK, YR), EXAMPLE => 26 96 LOCATED IN AREA INDICATED.

PART NUMBER	PLATING	PCB THICKNESS	DIM. P	DIM. A
71743-1045	SEE NOTE △2	.130±.006 (3.30±0.15)	.148 (3.75)	.118 (3.00)
71743-1044	SEE NOTE △2	.125±.003 (3.18±0.08)	.134 (3.40)	.118 (3.00)
71743-1043	SEE NOTE △3	.093±.003 (2.36±0.08)	.125 (3.18)	.118 (3.00)
71743-1042	OBSOLETE			
71743-1041	SEE NOTE △2	.062±.003 (1.60±0.08)	.110 (2.79)	.118 (3.00)
71743-1040	SEE NOTE △2	.093±.003 (2.36±0.08)	.125 (3.18)	.118 (3.00)

NOTE FOR LEAD FREE CONVERSION:

THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

MFG. SH.	REV.	LTR.	REVISIONS
2 G / 1 J	J	J	REVISED ECN UCP2004-2082 RKADAMS 04/04/22
	I	I	REVISED ECN UCP2003-0093 BBARKER 02/08/13
	H	H	REVISED ECN UDT 2000-1231 ACHAMMER 00/06/07
	G	G	REVISED ECN UDT1999-0975 KSMITH 99/05/26
	F2	F2	REVISED ECN UDT 1999-0865 ACHAMMER 99-04-10
	F1	F1	REVISED ECN UDT1998-0294 STANISLA 98/6/10
	F	F	REVISED PER ECN U80654 ACHAMMER 97-9-18
	E	E	REVISED PER ECN U71495 ACHAMMER 97-6-2
	D1	D1	REVISED PER ECN U70444 ACHAMMER 96-11-26
	D	D	REVISED PER ECN U61278 5-2-96 DGA
	C	C	REVISED PER ECN U60641 11-29-95 DRS
	B	B	REVISED PER ECN U60297 9-1-95 RAN
	A	A	INITIAL RELEASE PER ECN U60079 8-15-95 RAN

71743

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± .005	---
2 PLACE	± .01	± 0.13
1 PLACE	---	± 0.25

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE: SALES ASSEMBLY
EBBI VERTICAL RECEPTACLE
40 CKT FIBRE CHANNEL CONN

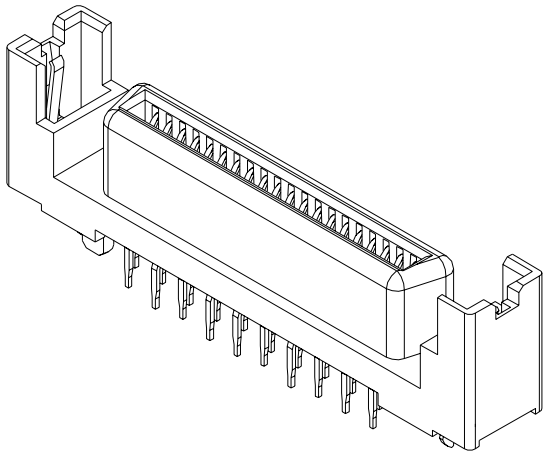
molex MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.

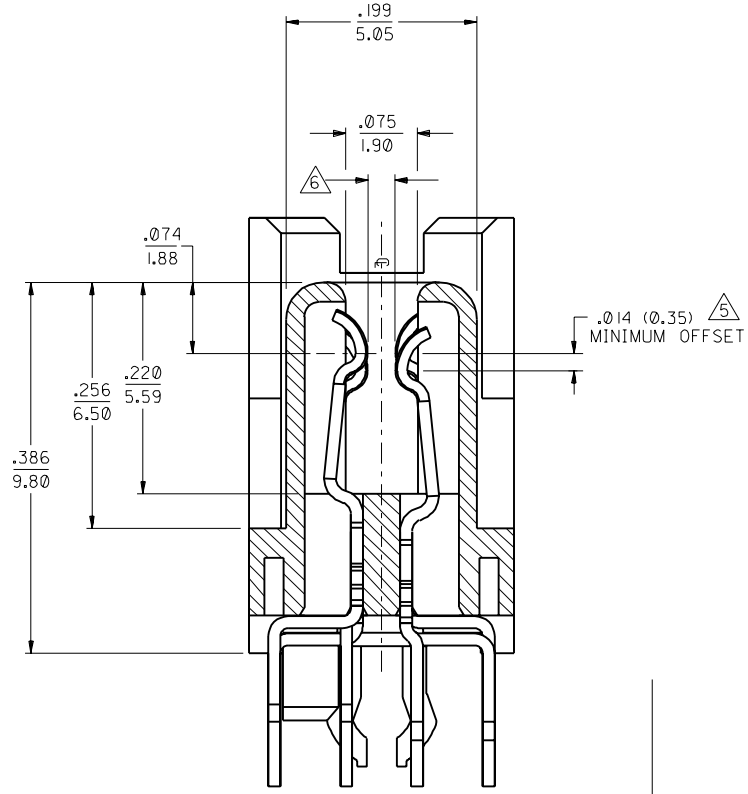
SHEET NO. 1 OF 2 | DATE 7/21/95

PART NO. SEE TABLE | DRWG. NO. SDA-71743-104*

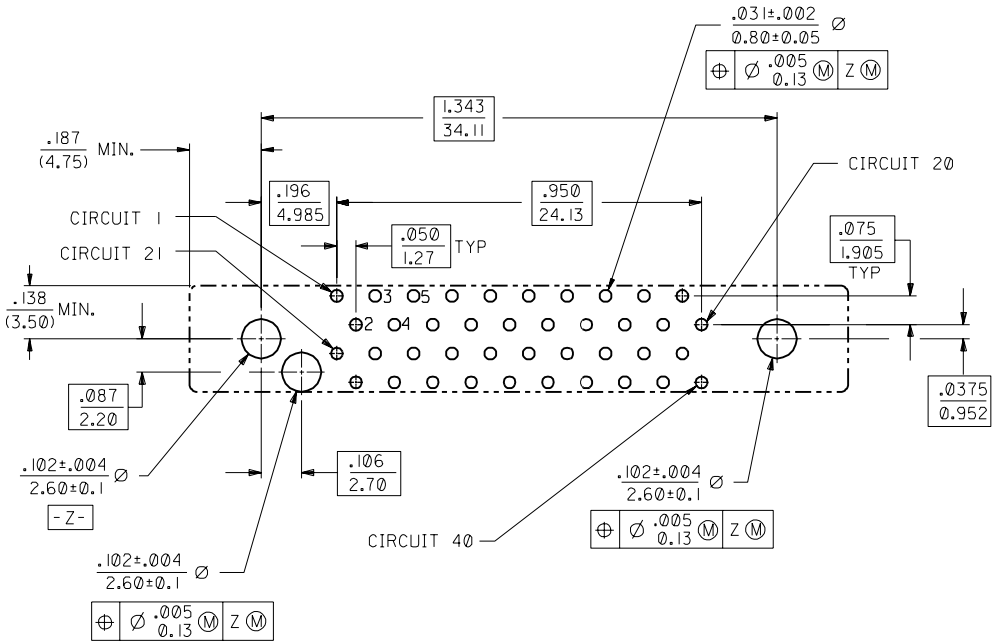
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APP'D. BY: GWF	SCALE: 4:1			

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SECTION X-X
SCALE - 10:1



RECOMMENDED PC BOARD LAYOUT 4
COMPONENT SIDE

MFG.	SH.	REV.	LTR.	REVISIONS
			G	SEE SHEET 1

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± .005	---
2 PLACE	± .01	± 0.13
1 PLACE	---	± 0.25

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

▽ = Ø ▼ = Ø REVISE ONLY ON CAD SYSTEM

TITLE
SALES ASSEMBLY
EBBI VERTICAL RECPETACLE
40 CKT FIBRE CHANNEL CONN

MOLEX INCORPORATED
LISLE,ILL. 60532 U.S.A.

SHEET NO. 2 | DATE 7/21/95

PART NO. SEE TABLE | DRWG. NO. SDA-71743-104*

DRWG. BY	CHK'D. BY	FILE NAME	DIV.	SIZE
RAN	RAN	S71743X4 502	C	C
APP'D. BY: GWF	SCALE 4: 1			

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