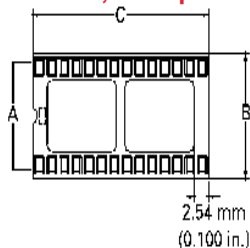


**DILB8P-223TLF - DIP : DIP
Socket, Stamped and Formed**



www.fci.com

Specifications

General

Contact type	SAF
Number of contacts	8
Number of contacts (per row)	4
Number of rows	2
Product Style	DIP, Stamped and Formed
Frame Type Style	Open
Gender (Contact)	Socket
Insulator Type	Standard

Dimensional

Length (Tail)	3.2 mm (0.126 in.)
Dim D (in)	0.3 in.
Dim D (mm)	7.62 mm
Spacing (Contact)	2.54 mm (0.1 in.) Pitch
Dim A (in)	0.4 in.
Dim A (mm)	10.16 mm
Dim B (in)	0.3 in.
Dim B (mm)	7.62 mm
Dim C (in)	0.4 in.
Dim C (mm)	10.16 mm
Spacing (Row to row)	7.62 mm (0.3 in.)

Electrical

Withstanding Voltage	1000V AC RMS min.
Current rating	1 amps max.
Resistance (Contact)	30 M ohms max. at 6V DC
Resistance (Insulation)	1000 M ohms min. at 500V DC
Voltage rating	200V AC

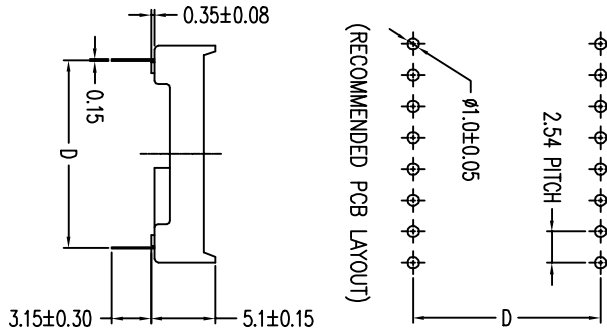
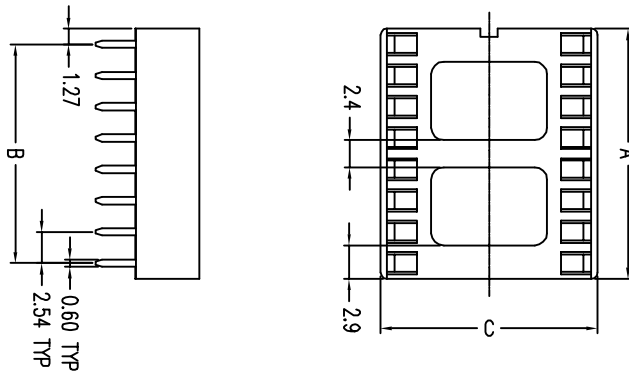
Mechanical

Durability (Mating cycles)	25 Cycles
Insertion force	340.2g/Contact max.
Withdrawal Force	14.5g/Contact min.

Mounting

Mounting style	Through Hole
Physical	
Color (Housing)	Black
Material (Contact)	Copper Alloy
Plating (Inner clip / Contact)	100μ" min. Pure Tin over 50μ" Nickel
Material (Inner clip / Contact)	Copper Alloy
Material (Insulator)	Polyester, UL 94V-0
Temperature (use - continuous)	-55°C to 105°C
Approvals / Certifications	
Approvals / Certifications	UL/CSA Pending
Other Features	
Packaging (Type)	Tube

CATALOG NO	NO.OF CONTACTS	TABLE OF DIMENSIONS	
		A±0.30 B±0.25 C±0.30 D±0.20	
DILB8P-2231XX	8P	10.16 7.62	
DILB14P-2231XX	14P	17.78 15.24	
DILB16P-2231XX	16P	20.32 17.78	
DILB18P-2231XX	18P	22.86 20.32	10.16 7.62
DILB20P-2231XX	20P	25.40 22.86	
DILB24P-2231XX	24P	30.48 27.94	
DILB28P-2231XX	28P	35.56 33.02	
DILB32P-2231XX	32P	40.64 38.10	17.78 15.24
DILB40P-2231XX	40P	50.80 48.26	
DILB42P-2231XX	42P	53.34 50.80	



NOTES

1. MATERIALS

HOUSING: POLYAMIDE, UL94V-0 COLOR IN BLACK.

CONTACT: COPPER ALLOY.

2. FINISH

100µ" MIN. MATTE OR BRIGHT TIN OVER 50µ" MIN. NICKEL.

3. PERFORMANCE CHARACTERISTICS

A) OPERATING VOLTAGE: 200VAC;

B) CONTACT RESISTANCE: 30 MILLIOHMS MAX. AT 6 VDC;

C) CURRENT RATING: 1 AMP. MAX.;

D) OPERING TEMPERATURE: CONTINUOUS, -55°C TO 105°C;

E) INSULATION RESISTANCE: 1000 MEGOHMS MIN AT 500 VDC;

F) DIELECTRIC WITHSTANDING VOLTAGE: 1000 VAC RMS MIN.;

G) DURABILITY: NO ELECTRICAL DEGRADATION AFTER 25 CYCLES;

H) THERMAL SHOCK: NO PHYSICAL OR ELECTRICAL DEGRADATION PER MIL-STD-1344, METHOD 1003, COND A;

I) MOISTURE RESISTANCE: 300 MEGOHMS MIN PER MIL-STD-202, METHOD 106, OMIT STEPS 7a AND 7b;

J) VIBRATION: NO ELECTRICAL INTERRUPTION GREATER THAN 1 MICROSECOND PER MIL-STD-1344, METHOD 2005 COND III;

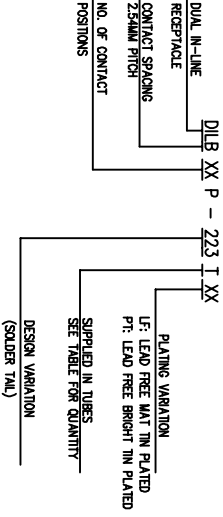
K) MECHANICAL SHOCK: NO ELECTRICAL INTERRUPTION GREATER THAN 1 MICROSECOND WHEN 17.64 oz (500g)'S APPLIED FOR 0.75 MILLISECUNDS;

L) FLAMABILITY: UL94 V-0;

M) INSERTION FORCE 340.2g /CONTACT MAX.;

WITHDRAWAL FORCE: 14.5g/CONTACT MIN.;

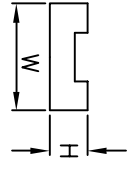
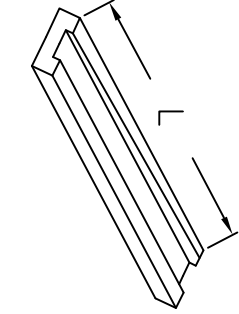
ORDERING INFORMATION



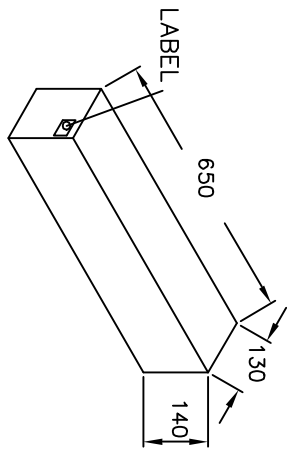
4. DILBXXP-2231XX: THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PER PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION.

mat'l. code	tolerances unless otherwise specified	CUSTOMER COPY	FCI	www.fciconnect.com
litr	ecdn no.	dr	date	linear
A	T06-0016	W.L	1/24/05	.XX ± 0.3
B	T06-0053	J.H	3/28/06	.XXX ± 0.05
C	T06-0068	J.H	7/7/06	0° ± 2°
		dr	WADE L.UU	01/05/05
		engr	WADE L.UU	01/05/05
		chtr	WADE L.UU	01/05/05
		oppl	STERLING LIN	01/08/05
sheet	revision	C	C	scale
index	sheet	1	2	1:1
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				EDGE CARD
				size dwg no
				10052485
				code
				TWN
				sheet
				1 of 2

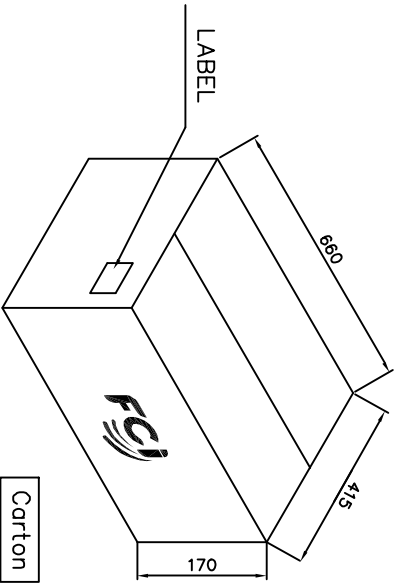
L	635	635
W	136	136
H	116	116



Tube



Box



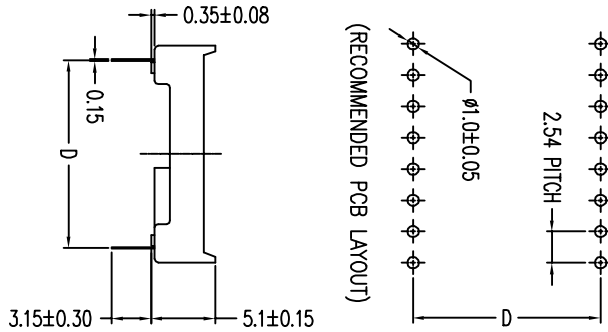
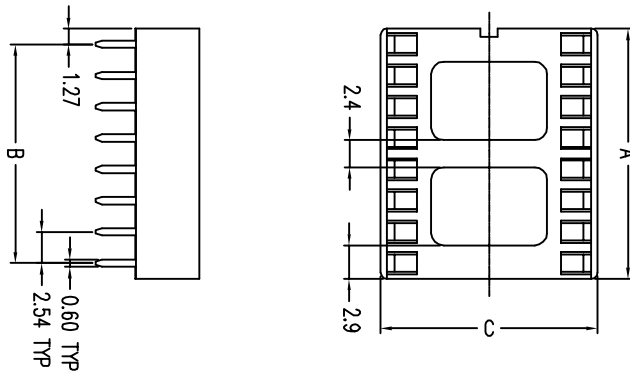
Carton

DILB PACKING LIST FOR TUBE

	CONTACTS	PCS/TUBE	TUBE/INNER BOX	PCS/INNER BOX	INNER BOX	OUTER BOX	PCS/OUTER BOX
DILB8P-223TX	8P	60	100	6000	3		18000
DILB14P-223TX	14P	34	100	3400		3	10200
DILB16P-223TX	16P	30	100	3000		3	9000
DILB18P-223TX	18P	26	100	2600		3	7800
DILB20P-223TX	20P	24	100	2400		3	7200
DILB24P-224TX	24P	20	100	2000		3	6000
DILB24P-223TX	24P	20	60	1200		3	3600
DILB28P-223TX	28P	17	60	1020		3	3060
DILB32P-223TX	32P	15	60	900		3	2700
DILB40P-223TX	40P	12	60	720		3	2160
DILB42P-223TX	42P	11	60	660		3	1980

mat'l. code		tolerances unless otherwise specified		CUSTOMER COPY		FCI		www.fciconnect.com	
itr	ecn no	dr	date	linear	.XX ± 0.3	projection	title	product family	EDGE CARD
C				.XXX ± 0.05	0° ± 2°	MM	DILB ASSEMBLY	size dwg no	10052485
				angles	0° ± 2°	MM		code	TWIN
				dr	WADE LIU	01/05/05		sheet	2 of 2
				engr	WADE LIU	01/05/05			
				chr	WADE LIU	01/05/05			
				appd	STERLING LIN	01/08/05			
sheet	revision	C	C						
index	sheet	1	2						

CATALOG NO	NO.OF	TABLE OF DIMENSIONS		
CONTACTS	A±0.30	B±0.25	C±0.30	D±0.20
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DILB14P-2231XX	14P	17.78	15.24	
DILB16P-2231XX	16P	20.32	17.78	
DILB18P-2231XX	18P	22.86	20.32	10.16
DILB20P-2231XX	20P	25.40	22.86	7.62
DILB24P-2231XX	24P	30.48	27.94	
DILB28P-2231XX	28P	35.56	33.02	
DILB32P-2231XX	32P	40.64	38.10	
DILB40P-2231XX	40P	50.80	48.26	17.78
DILB42P-2231XX	42P	53.34	50.80	15.24



NOTES

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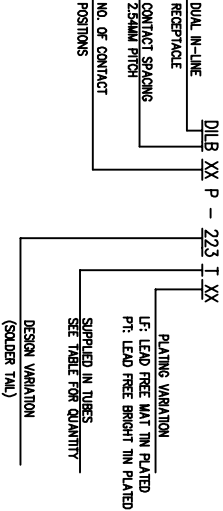
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WITHDRAWAL FORCE: 14.5g/CONTACT MIN.;

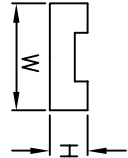
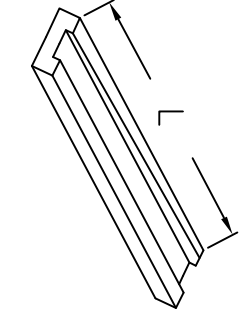
ORDERING INFORMATION



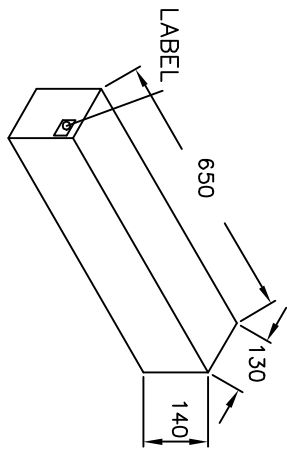
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ltr	ecn no	dr	date	linear	.X ± 0.3 .XX ± 0.2 .XXX ± 0.05	projection					DILB ASSEMBLY	product family	size	dwg no	EDGE CARD	code	
A	T05-0016	W.L	1/24/05														
B	T06-0053	J.H	3/28/06														
C	T06-0068	J.H	7/7/06														
				dr	WADE LIU	01/05/05											
				engr	WADE LIU	01/05/05											
				chr	WADE LIU	01/05/05											
				appd	STERLING LIN	01/08/05											
sheet	revision	C	C														
index	sheet	1	2														

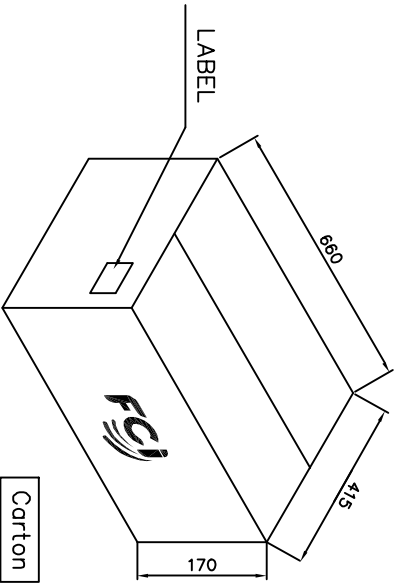
L	635	635
W	136	136
H	116	116



Tube



Box



Carton

DILB PACKING LIST FOR TUBE

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DILB24P-223TX	24P	20	60	1200	3	3600
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DILB32P-223TX	32P	15	60	900	3	2700
DILB40P-223TX	40P	12	60	720	3	2160
DILB42P-223TX	42P	11	60	660	3	1980

mat'l. code		tolerances unless otherwise specified		CUSTOMER COPY		FCI		www.fciconnect.com	
itr	ecn no	dr	date	linear	.XX ± 0.3	projection	title	product family	EDGE CARD
C				.XXX ± 0.05	0° ± 2°	MM	DILB ASSEMBLY	size dwg no	code
									TWIN
									sheet
									2 of 2
sheet	revision	C	C						
index	sheet	1	2						