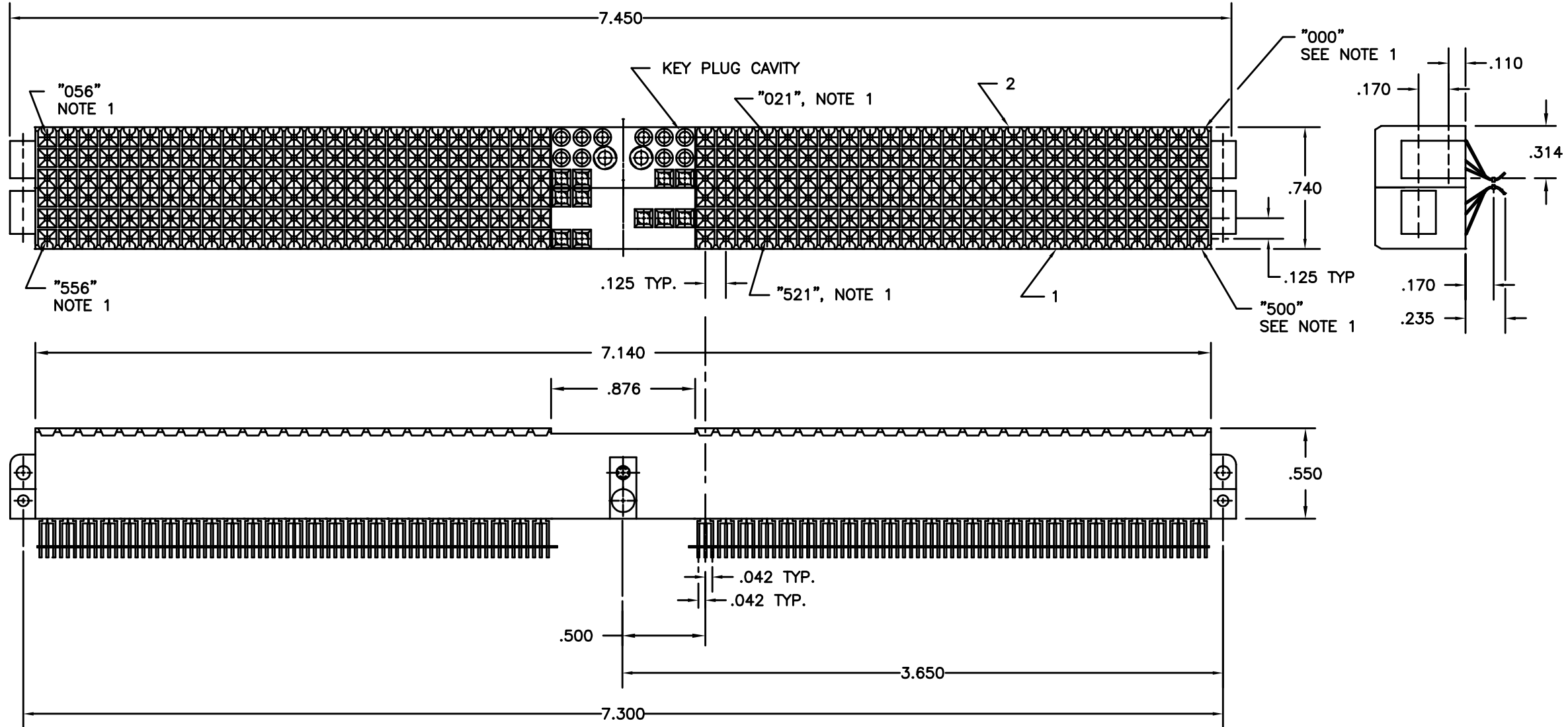


PRODUCT NO.
963L2-300-S



NOTES:

- ① AS VIEWED FROM THE MATING FACE OF THE CONNECTOR WITH THE PRINTED WIRING BOARD SIDE OF THE MOUNTING EARS DOWN, EACH CONTACT AND INSULATOR CAVITY (EVEN IF NO CONTACT IS PRESENT) IS DESIGNATED BY A THREE DIGIT NUMBER. THE TOP FROW IS NUMBERED, RIGHT TO LEFT IN TWO GROUPS: 000 TO 027 AND 029 TO 056. THE SECOND ROW NUMBERED IN GROUPS 100 TO 126 AND 130 TO 156, SIMILARLY, THE BOTTOM FOUR ROWS ARE NUMBERED 200 TO 226 AND 230 TO 256, 300 TO 326 AND 330 TO 356, 400 TO 426 AND 430 TO 456 AND 500 TO 526 AND 530 TO 556.

3	844156851	SCREW, #1-32 X 5/8 BF (PLUS) TORX FILLISTER HEAD (T-6) SELF THREADING ZN PLT. 289A.	4D
			3
1	847490752	INSULATOR, MAJOR HALF ASSEMBLY UNALIGNED	2
1	847463577	INSULATOR, MINOR HALF ASSEMBLY UNALIGNED	1
REQ.	IDENT NO.	DESCRIPTION	ITEM
STOCKLIST			

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	A FCI www.fciconnect.com	
ltr	ecn no	dr	date	linear	angles		title	
A		GNS				projection	963L2-300-S	
B	V21433	BMR	09/11/02				CONNECTOR ASSEMBLY	
C	V03-0914	LP	8/28/03					
				dr	L.POTTEIGER	9/5/03	product family	FASTECH
				enrg	T.BREWBAKER	9/5/03	code	213
				chr	T.BREWBAKER	9/5/03	size	dwg no
				appd	T.BREWBAKER	9/5/03	scale	1:1
sheet	revision	C	C				A	A94KC4033
index	sheet	1	2					sheet 1 of 2

cage code
22526

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FCI

PRODUCT NO.
963L2-300-S

963L2-300-S (UNALIGNED) APPLICATION INFORMATION
MAY ALSO BE REFERED TO AS 963L2-316-300-S

GENERAL DESCRIPTION

THE 963L2-300-S CIRCUIT PACK CONNECTOR IS A NON-STANDARD FASTECH CONNECTOR THAT CONTAINS 300 STANDARD SIGNAL CONTACTS ON .125" CENTERS WITH SURFACE SOLDER LEADS THAT ARE CONNECTED WITH A LOW RESIDUE FLUX-CORED SOLDER TIE-BAR. THE 963L2-300-S IS IDENTICAL TO THE 963L2-300 EXCEPT THAT IT HAS A NON-STANDARD KEYING SECTION THAT PROVIDES CLEARANCE FOR TWO BACKPLANE PINS IN POSITIONS 530 AND 531 FOR USE WITH A 5-TYPE SHORTING CONTACT. THE MINOR HALF KEYING AREA IS RAISED 0.017" FROM ITS STANDARD POSITION TO ENSURE PROPER ENGAGEMENT WITH THE SHORTING CONTACT. THE 963L2-300-S CONNECTOR MATES WITH 6 COLUMNS OF 50 BACKPLANE PINS (.025" SQUARE). THIS CONNECTOR IS COMPATIBLE WITH STANDARD FASTECH KEYING AND CANNOT BE INSERTED UPSIDE DOWN WHEN FASTECH KEY CODES ARE USED.

ASSEMBLY

THE CONNECTOR HAS TWO HALVES THAT ARE ATTACHED TO SEPARATE SIDES OF THE PRINTED CIRCUIT BOARD (PCB). FIRST, THE MAJOR HALF (KEYING HALF) IS ATTACHED TO THE COMPONENT SIDE OF THE PCB USING 3 USER SUPPLIED #1-32 X 5/15 BF+ TORX FILLISTER HEAD (T-6) SELF THREADING SCREWS (COMCODE #900591124). THE MINOR HALF OF THE CONNECTOR IS THEN ATTACHED TO THE MAJOR HALF ON THE NON-COMPONENT SIDE OF THE PCB USING 3 #1-32 X 5/8 BF+ TORX FILLISTER HEAD (T-6) SELF-THREADING SCREWS THAT ARE SHIPPED WITH THE CONNECTOR. THE CONNECTOR IS THEN REFLOWED SOLDERED TO THE PCB.

PRODUCT APPLICATION CONSIDERATIONS

DUE TO THE REDUCED CLEARANCE IN THE NON-STANDARD KEYING AREA ON THE MINOR HALF OF THIS CONNECTOR, THE CONNECTOR SHOULD BE CHECKED CAREFULLY FOR CAPATIBILITY WITH SHELF HARDWARE AND COMPONENTS.

ASSOCIATED PRODUCTS

1-TYPE CONTACTS
KEYING PLUG, KEYHOLDER, KEYING PIN

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS FOR THE 963L2-300-S CONNECTOR ARE IDENTICAL TO THE SPECIFICATIONS FOR THE 963L2-300 CONNECTOR IN A82KC4083.

PRINTED CIRCUIT BOARD LAYOUT

THE PRINTED CIRCUIT BOARD LAYOUT FOR THE 963L2-300-S CONNECTOR IS IDENTICAL TO THE LAYOUT FOR THE 963L2-300 CONNECTOR IN A82KC4083.

mat'l. code				tolerances unless otherwise specified				CUSTOMER COPY		A FCI www.fciconnect.com											
ltr	ecn no	dr	date	linear					projection	title											
C										963L2-300-S											
										CONNECTOR ASSEMBLY											
				angles					INCH	product family								FASTECH		code	
				dr	L.POTTEIGER		9/5/03			size				dwg no				213			
				enrg	T.BREWBAKER		9/5/03			A				A94KC4033				sheet			
				chr	T.BREWBAKER		9/5/03											scale		1:1	
				appd	T.BREWBAKER		9/5/03														
sheet index		revision																			
		sheet																			

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