



B

1 2

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963P
CONTACT
NUMBERING
SYSTEM

FOR SIDE
POLARIZATION, RIB
IS THIS SIDE.

FOR STANDARD
KEYING, A02
POSITION IS
PLUGGED

FOR STANDARD KEYING
B02 POSITION IS PLUGGED

CONTACT NUMBERING SYSTEM AS
VIEWED FROM CONTACT INSERTION
END.

B A
ROW

A
ROW

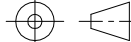
SPECIFICATIONS:

INSULATOR MATERIAL:	30% GLASS-FILLED NYLON 6-12, FLAME RETARDANT
CONTACT BASR MATERIAL:	CA72500
CONTACT PLATING:	70 MICROINCHES MIN OF DGR-156 (DIFFUSED Au IN PdAg)
POINT OF CONTACT FROM INSULATOR FACE:	0.115 (963P AND 963PH) 0.145 (963PX)
PIN STOP FROM INSULATOR FACE:	0.245
RECOMMENDED MATING PIN LENGTH:	0.225+/-0.030
CONTACT WIRE GAUGE:	22-29 GA.
CONTACT WIRE TERMINATION:	OPEN BARREL CRIMP
CONTACT CURRENT:	1.5 A MAX*
CONTACT RESISTANCE:	6 MILLIOHMS TYPICAL
VOLTAGE BREAKDOWN:	1000 VAC
MAXIMUM ALLOWABLE PULL ON WIRE:	4 LBS. MAX AXIAL LOAD ON EACH CONTACT
AVG INSERTION FORCE/RETANTION FORCE PER CONTACT	.3/.2 LBS - 963P .5/.3 LBS - 963PH .65/.45 - 963PX .7/.4 - 963PS
TERMINATION EQUIPMENT CRIMP TOOL, HAND, FOR 22-28 GAUGE WIRE:	1000B

*BASED ON 30 DEG. C TEMP RISE, ALL CONTACTS SIMULTANEOUSLY CARRYING SAME CURRENT,
FREE CONVECTION COOLING.

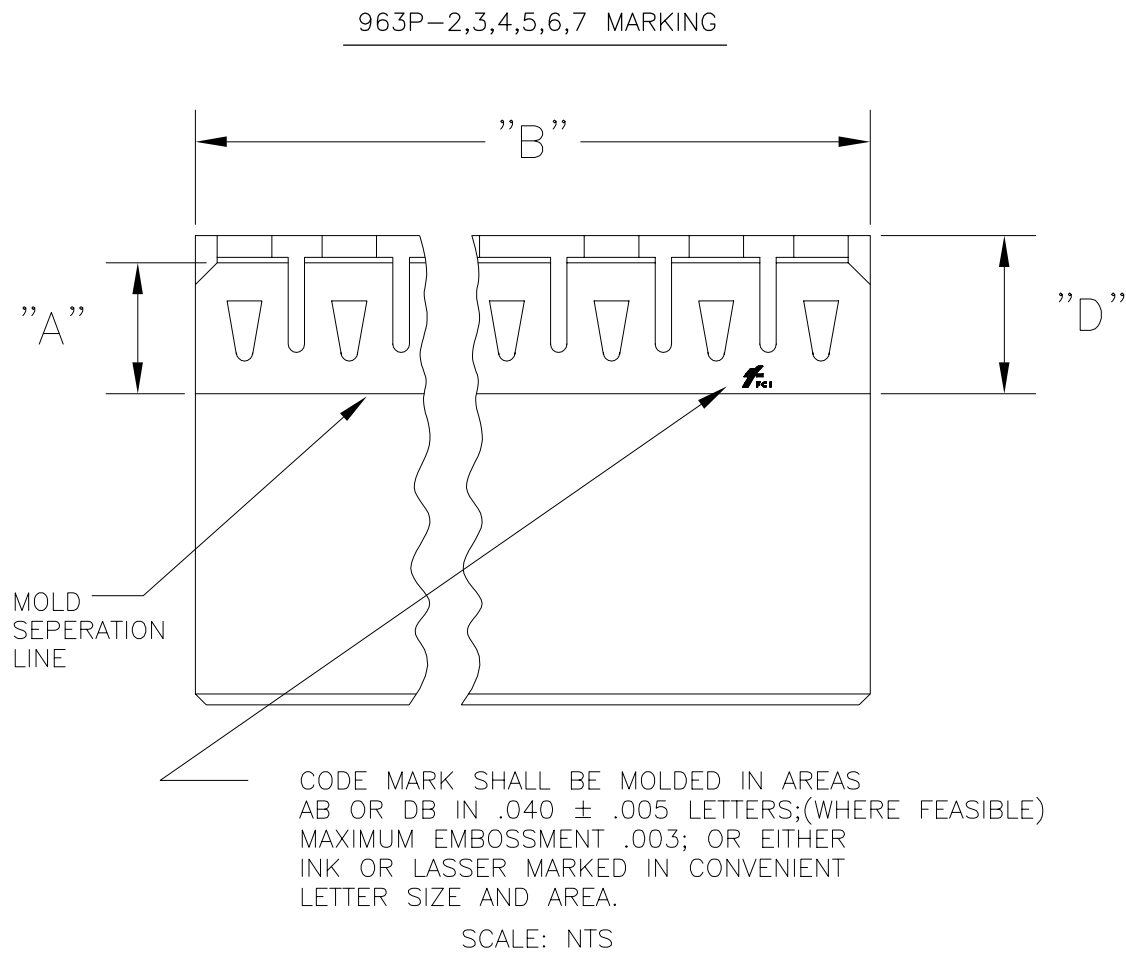
		HOUSING (SEE TABLE)	2
		CONTACT (SEE TABLE)	1
REQ.	IDENT NO.	DESCRIPTION	ITEM
STOCKLIST			

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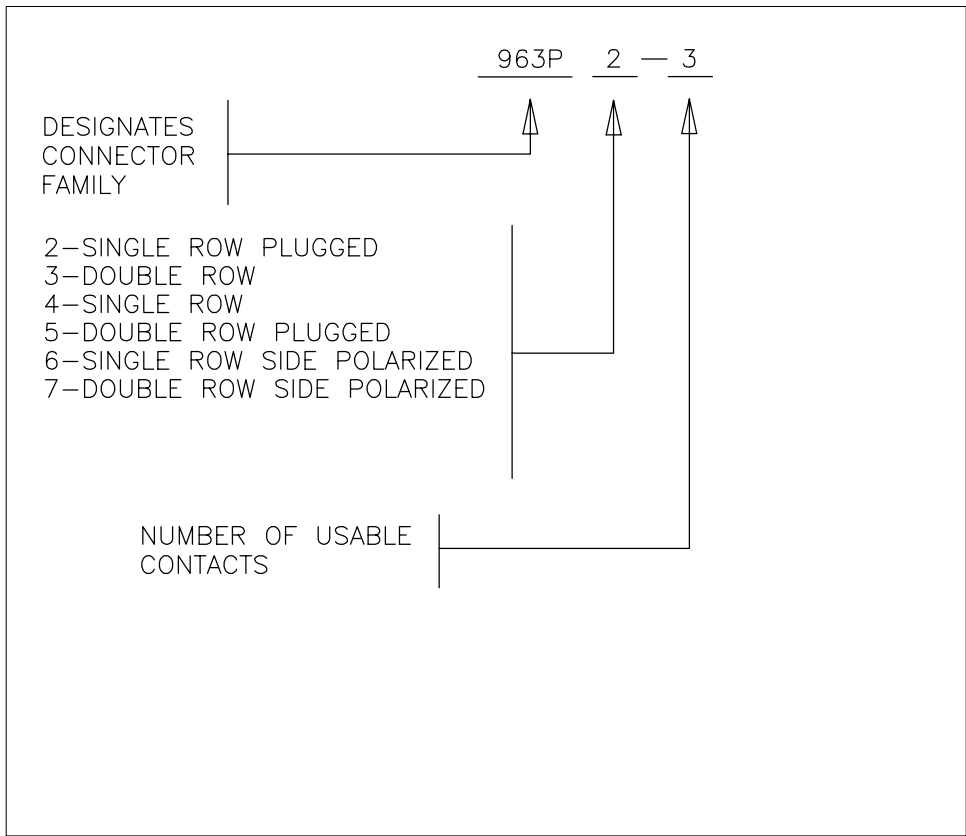
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A	V20380	CGD	2/25/02		.XXX ±.003																		
					.XXXX ±.0020																		
				angles	0° ±2°						 INCH scale 1:1	product family FASTECH size dwg no A A83KC4169										code 213	
				dr	C. DAILY			2/25/02														sheet	
				engr	R.CONRAD			2/25/02														1 of 7	
				chr	R.CONRAD			2/25/02															
				appd	R.CONRAD			2/25/02															
sheet index		revision sheet		A	A	A	A	A															
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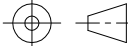
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963 P
CONNECTOR CODING
SYSTEM
.100" CENTERS



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A					.xxx ±.003																		
					.xxxx ± .0020																		
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				dr	C. DAILY	2/25/02	size dwg no						A A83KC4169 sheet 2 of										
				engr	R. CONRAD	2/25/02																	
				chr	R. CONRAD	2/25/02																	
				appd	R. CONRAD	2/25/02																	
sheet index		revision sheet																					

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CONTACT TABLE
963 P CONTACT FAMILY
IDENTIFICATION

	STANDARD	HIGH RETENTION	EXTRA HIGH RETENTION	SOLDER
24 - 27 GAUGE WIRE	 963P * 843939612 ** 845576255	 963PH * 845381235 ** 845576263	 963PX * 845575125 ** 845576271	 963PS * 846288082 ** 845852243
22 GAUGE WIRE	 963P22 * 845380187 ** 845576289	 963PH22 * 845575950 ** 845576297	 963PX22 * 845575968 ** 845576305	
28 GAUGE WIRE	 963P28 * 845856574 ** 845855428			
** LOOSE CONTACTS 500 PCS./BAG		* CONTACTS REELS 20,000/REEL		

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A					.xxx ±.003		963P CONNECTOR			
					.xxxx ±.0020		ASSEMBLY .100" CENTERS			
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				engr	R. CONRAD	2/25/02	size			
				chr	R. CONRAD	2/25/02	A A83KC4169			
				appd	R. CONRAD	2/25/02	sheet			
sheet index	revision sheet									

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PDM: Rev:A STATUS: Released

Printed: Jul 24, 2003

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FCI

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963P2
SINGLE ROW PLUGGED

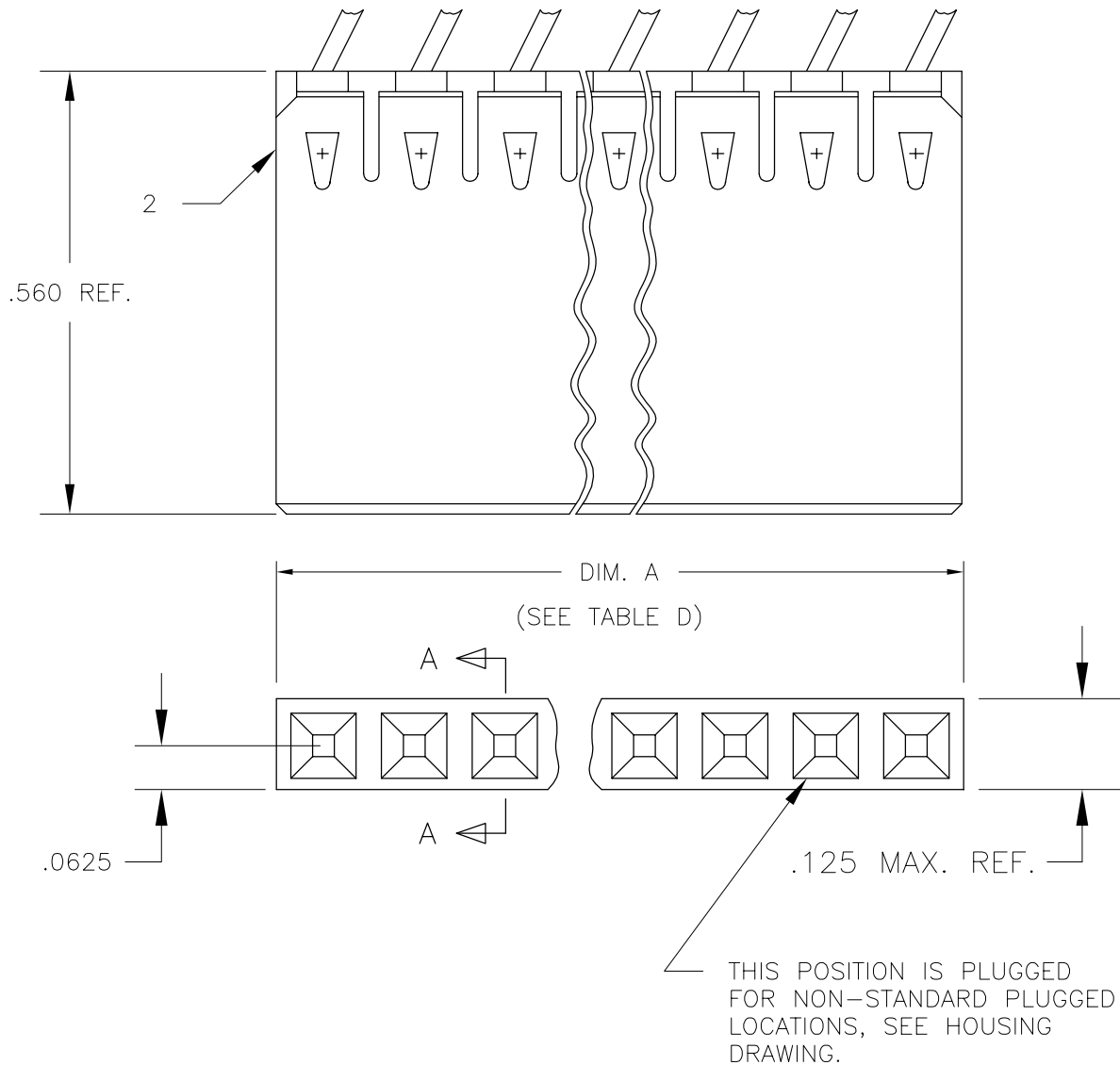
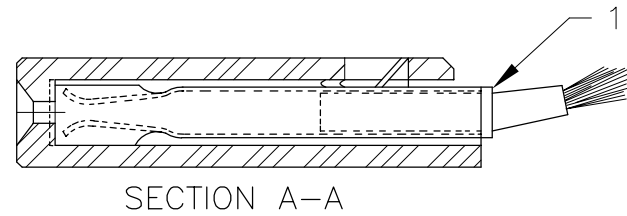


TABLE D

	CODE	DIM. A REF.	HOUSING SIZE	ITEM 1 NO. REQD.	ITEM 2 COMCODE	ITEM 2 NO. REQD.
○	963P2-2	.296	1 X 3	2	844636787	1
	963P2-3	.396	1 X 4	3	844636795	1
	963P2-4	.496	1 X 5	4	844636803	1
○	963P2-5	.596	1 X 6	5	844636811	1
○	963P2-6	.696	1 X 7	6	844636829	1
○	963P2-7	.796	1 X 8	7	844636837	1
○	963P2-8	.896	1 X 9	8	844636845	1
○	963P2-9	.996	1 X 10	9	844636852	1
○	963P2-10	1.096	1 X 11	10	844636860	1
○	963P2-11	1.196	1 X 12	11	844636878	1
○	963P2-12	1.296	1 X 13	12	844636886	1
	963P2-13	1.396	1 X 14	13	844636894	1
○	963P2-14	1.496	1 X 15	14	844636902	1



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A					.XXX ±.003	projection				
				angles	.XXXX ±.0020	INCH	product family FASTECH		code 213	
					0° ±2°		size dwg no		sheet 4 of	
				dr	C. DAILY	2/25/02	scale 1:1	A A83KC4169		
				engr	R. CONRAD	2/25/02				
				chr	R. CONRAD	2/25/02				
				appd	R. CONRAD	2/25/02				
sheet index	revision sheet									

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963P4
SINGLE ROW

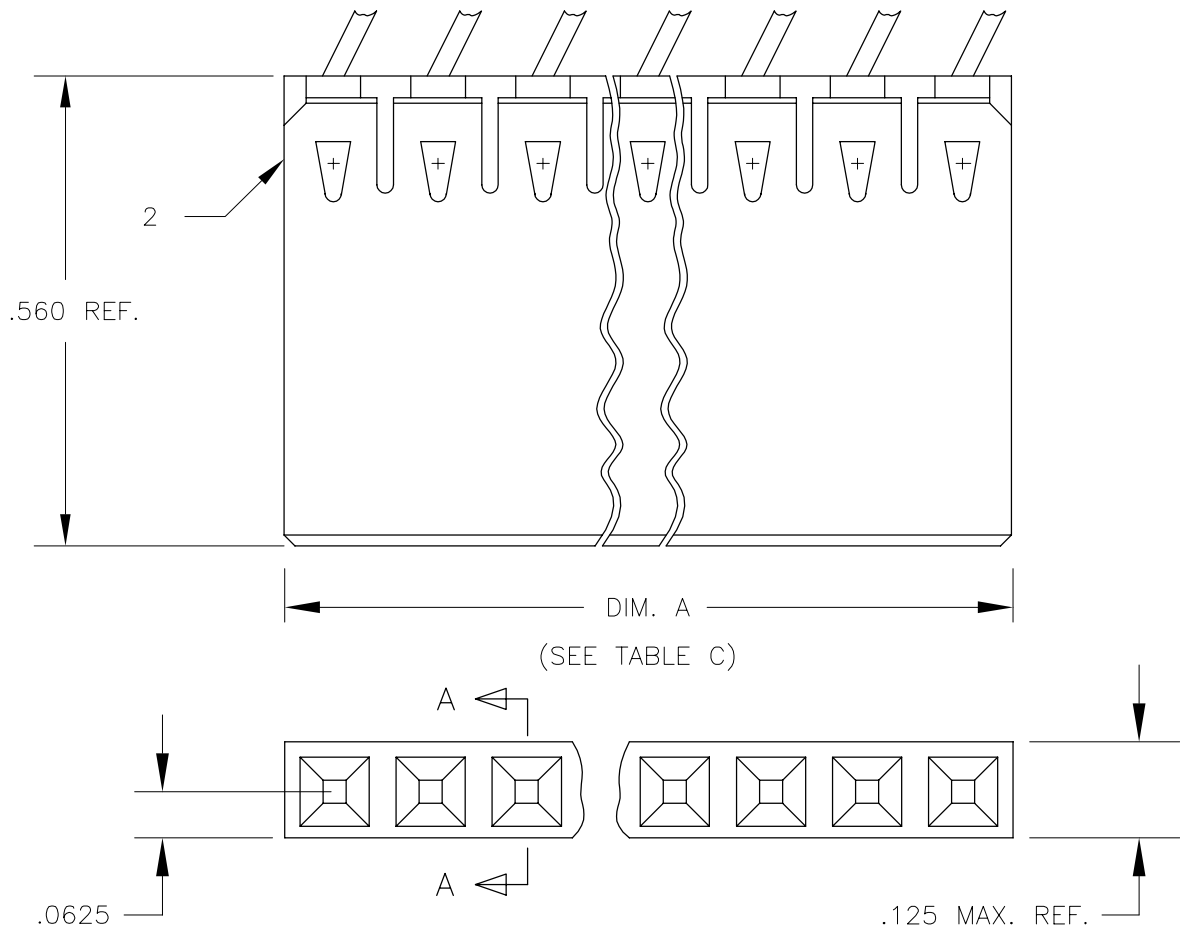
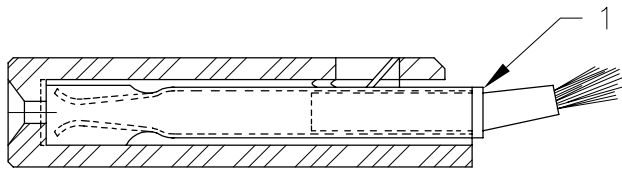


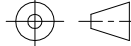
TABLE C

CODE	DIM. A REF.	HOUSING SIZE	ITEM 1 NO. REQD.	ITEM 2 COMCODE	ITEM 2 NO. REQD.
963P4-1	.096	1 X 1	1	844637165	1
963P4-2	.196	1 X 2	2	844637173	1
963P4-3	.296	1 X 3	3	844637181	1
963P4-4	.396	1 X 4	4	844637199	1
963P4-5	.496	1 X 5	5	844637207	1
963P4-6	.596	1 X 6	6	844637215	1
963P4-7	.696	1 X 7	7	844637223	1
963P4-8	.796	1 X 8	8	844637231	1
963P4-9	.896	1 X 9	9	844637249	1
963P4-10	.996	1 X 10	10	844637256	1
963P4-11	1.096	1 X 11	11	844637264	1
963P4-12	1.196	1 X 12	12	844637272	1
963P4-13	1.296	1 X 13	13	844637280	1
963P4-14	1.396	1 X 14	14	844637298	1
963P4-15	1.496	1 X 15	15	845074368	1



SECTION A-A

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A					.XXX ±.003																	
					.XXXX ±.0020																	
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				chr	R. CONRAD		2/25/02															
				appd	R. CONRAD		2/25/02															
sheet index		revision sheet																				

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963P3

DOUBLE ROW

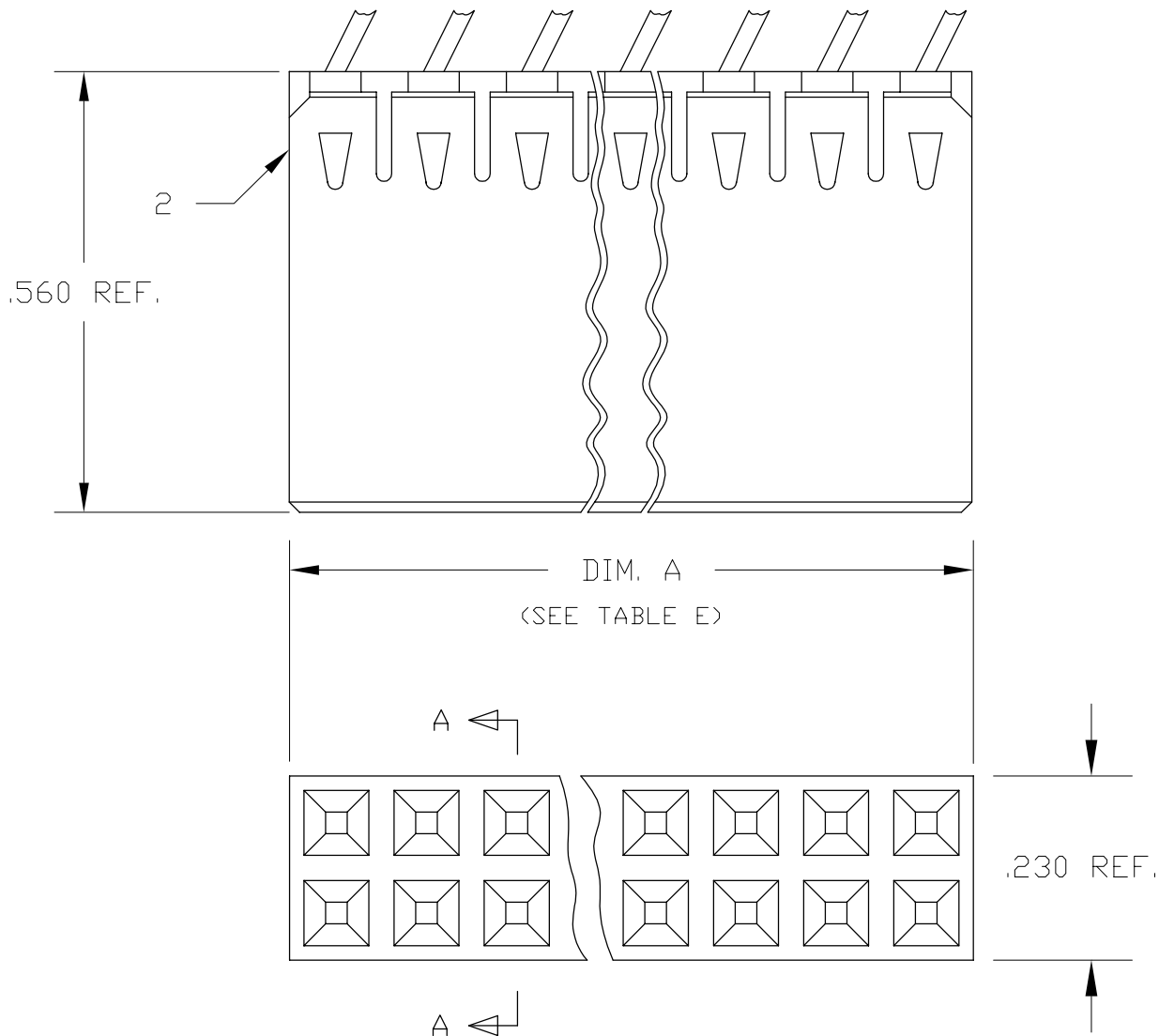
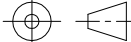


TABLE E

CODE SEE NOTE 5	DIM. A REF.	HOUSING SIZE	ITEM 1 NO. REQD.	ITEM 2 COMCODE	ITEM 2 NO. REQD.
963P3-4	.196	2 X 2	4	844636910	1
963P3-6	.296	2 X 3	6	844636928	1
963P3-8	.396	2 X 4	8	844636936	1
963P3-10	.496	2 X 5	10	844636944	1
963P3-12	.596	2 X 6	12	844636951	1
963P3-14	.696	2 X 7	14	844636969	1
963P3-16	.796	2 X 8	16	844636977	1
963P3-18	.896	2 X 9	18	844636985	1
963P3-20	.996	2 X 10	20	844636993	1
963P3-22	1.096	2 X 11	22	844637009	1
963P3-24	1.196	2 X 12	24	844637017	1
963P3-26	1.296	2 X 13	26	844637025	1
963P3-28	1.396	2 X 14	28	844637033	1
963P3-30	1.496	2 X 15	30	844637041	1
963P3-32	1.596	2 X 16	32	844637058	1
963P3-34	1.696	2 X 17	34	844637066	1
963P3-36	1.796	2 X 18	36	844637074	1
963P3-38	1.896	2 X 19	38	844637082	1
963P3-40	1.996	2 X 20	40	844637090	1
963P3-42	2.096	2 X 21	42	844637108	1
963P3-44	2.196	2 X 22	44	844637116	1
963P3-46	2.296	2 X 23	46	844637124	1
963P3-48	2.396	2 X 24	48	844637132	1
963P3-50	2.496	2 X 25	50	844637140	1

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A					.xxx ±.003														
					.xxxx ±.0020														
				angles	0° ±2°				 INCH scale 1:1	product family FASTECH						code 213			
				dr	C. DAILY		2/25/02			size		dwg no				sheet 6 of			
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				chr	R. CONRAD		2/25/02												
				appd	R. CONRAD		2/25/02												
sheet index		revision sheet																	

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