



B

1 2

3

4

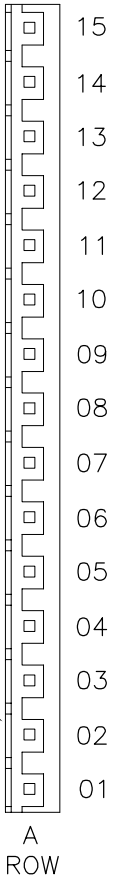
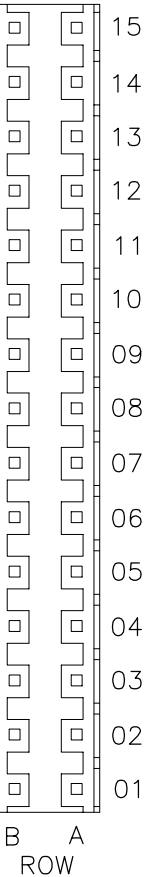
963P
CONTACT
NUMBERING
SYSTEM

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.



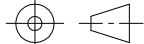
SPECIFICATIONS:

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.

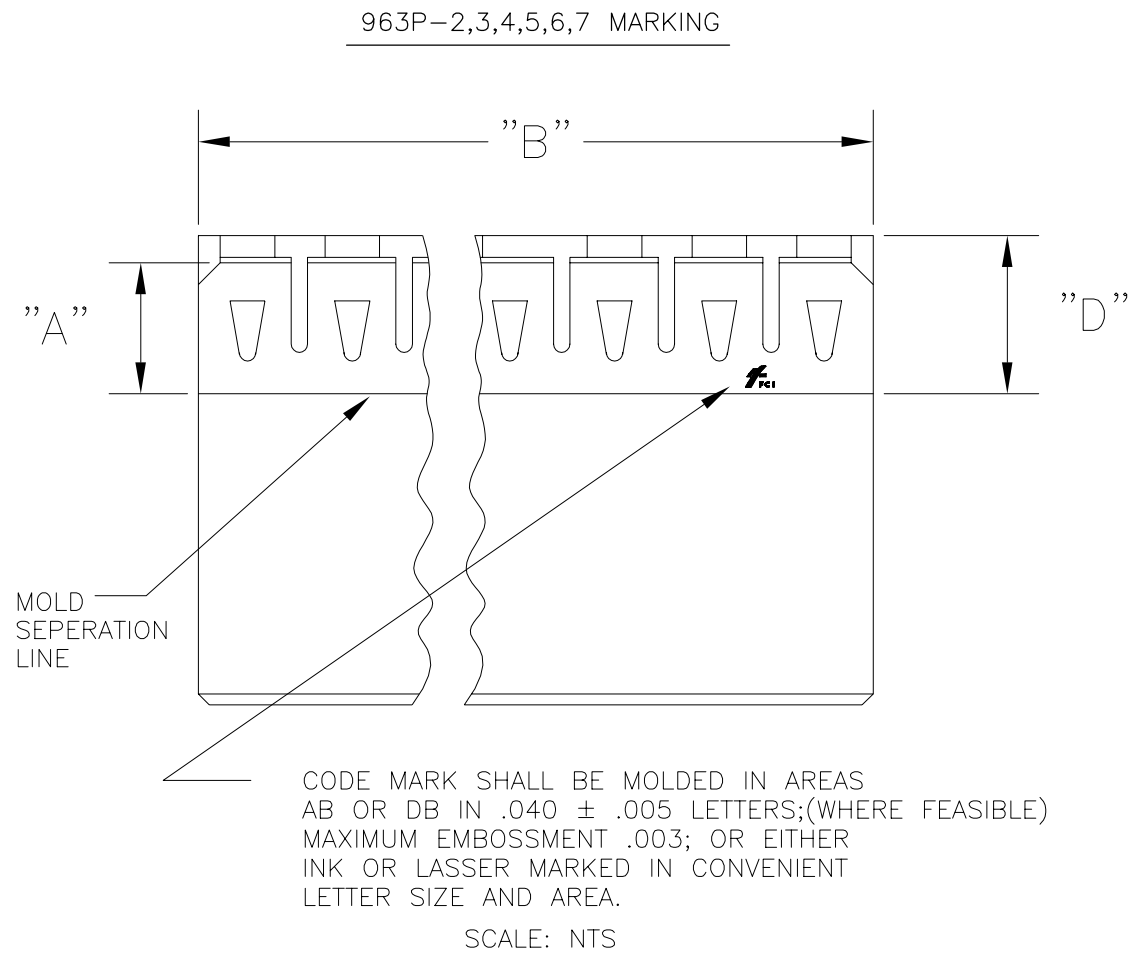
		HOUSING (SEE TABLE)	2
		CONTACT (SEE TABLE)	1
REQ.	IDENT NO.	DESCRIPTION	ITEM
STOCKLIST			

CONFIDENTIAL

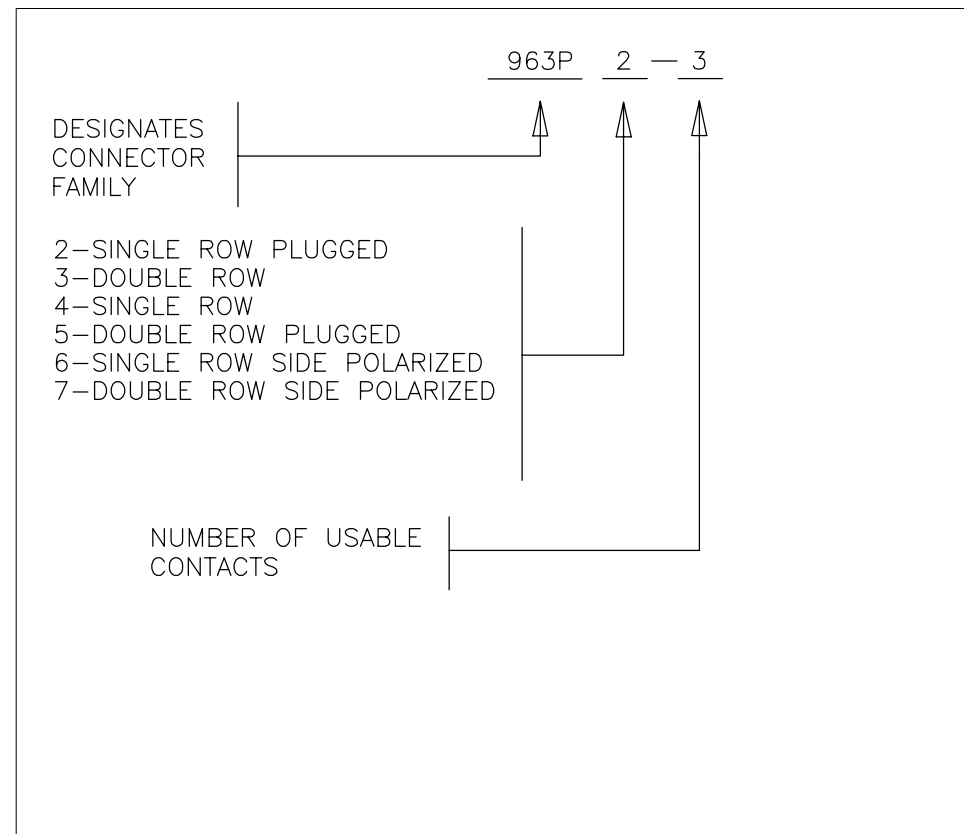
mat'l. code --				tolerances unless otherwise specified						CUSTOMER COPY				 Electronics FCI www.fciconnect.com																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
ltr	ecn no	dr	date	linear	XX ±.01						projection 	title 963P CONNECTOR ASSEMBLY .100" CENTERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
A	V20380	CGD	2/25/02		.XXX ±.003																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					.XXXX ±.0020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				angles	0° ±2°						 INCH scale 1:1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				dr	C. DAILY			2/25/02															product family FASTECH						code																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				engr	R.CONRAD			2/25/02															size dwg no						213																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				chr	R.CONRAD			2/25/02			A A83KC4169						sheet 1 of 7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
				appd	R.CONRAD			2/25/02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
sheet index		revision sheet		A	A	A	A	A	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

cage code
22526

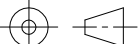
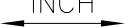
4



963 P
CONNECTOR CODING
SYSTEM
.100" CENTERS



CONFIDENTIAL

mat'l. code — —				tolerances unless otherwise specified				CUSTOMER COPY		 Electronics FCI www.fciconnect.com												
ltr	ecn no	dr	date	linear	.XX ±.01			projection 	title 963P CONNECTOR ASSEMBLY .100" CENTERS													
A					.xxx ±.003																	
					.xxxx ± .0020																	
				angles	0° ±2°																	
				dr	C. DAILY	2/25/02	product family FASTECH															
				engr	R. CONRAD	2/25/02	code 213															
				chr	R. CONRAD	2/25/02	sheet 2 of															
				appd	R. CONRAD	2/25/02	scale 1:1		A		A83KC4169											
sheet index		revision sheet																				

cage code
22526

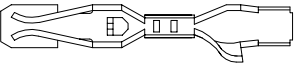
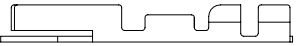
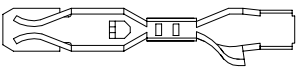
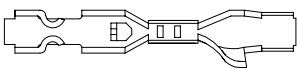
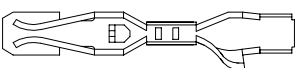
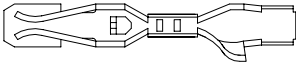
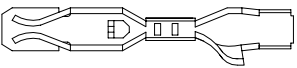
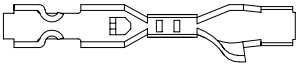
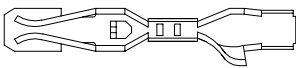
PDM: Rev:A STATUS: Released

Printed: Jul 24, 2003

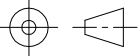
Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation ecrite du proprietaire. Propriete de c FCI. Droits de reproduction FCI.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.

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		

CONFIDENTIAL

mat'l. code --				tolerances unless otherwise specified		CUSTOMER COPY	Electronics FCI www.fciconnect.com			
ltr	ecn no	dr	date	linear	.XX ±.01		title 963P CONNECTOR ASSEMBLY .100" CENTERS			
A					.xxx ±.003					
					.xxxx ±.0020					
				angles	0° ±2°	projection  INCH scale 1:1	product family FASTECH			
				dr	C. DAILY	2/25/02	size A A83KC4169			
				engr	R. CONRAD	2/25/02				
				chr	R. CONRAD	2/25/02				
				appd	R. CONRAD	2/25/02				
sheet index	revision sheet									

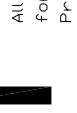
cage code
22526

PDM: Rev:A STATUS: Released

Printed: Jul 24, 2003

Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation ecrite du proprietaire. Propriete de c FCI. Droits de reproduction FCI.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.



Printed: Jul 24, 2003

B

1

2

3

4

ACAD

PDM: Rev:A

STATUS Released

22526

213

4 of

A83KC4169

FASTECH

963P CONNECTOR

ASSEMBLY .100" CENTERS

www.fciconnect.com

FCI

CONFIDENTIAL

THIS POSITION IS PLUGGED FOR NON-STANDARD PLUGGED LOCATIONS, SEE HOUSING DRAWING.

.125 MAX. REF.

.0625

DIM. A (SEE TABLE D)

.560 REF.

963P2 SINGLE ROW PLUGGED

TABLE D

ITEM 2 COMCODE

ITEM 2 NO. REQD.

HOUSING SIZE

DIM. A REF.

CODE

963P2-2

963P2-3

963P2-4

963P2-5

963P2-6

963P2-7

963P2-8

963P2-9

963P2-10

963P2-11

963P2-12

963P2-13

963P2-14

SECTION A-A

1

2

3

4

A

B

1

2

3

4

ACAD

PDM: Rev:A

STATUS Released

22526

213

4 of

A83KC4169

FASTECH

963P CONNECTOR

ASSEMBLY .100" CENTERS

www.fciconnect.com

FCI

CONFIDENTIAL

THIS POSITION IS PLUGGED FOR NON-STANDARD PLUGGED LOCATIONS, SEE HOUSING DRAWING.

.125 MAX. REF.

.0625

DIM. A (SEE TABLE D)

.560 REF.

963P2 SINGLE ROW PLUGGED

TABLE D

ITEM 2 COMCODE

ITEM 2 NO. REQD.

HOUSING SIZE

DIM. A REF.

CODE

963P2-2

963P2-3

963P2-4

963P2-5

963P2-6

963P2-7

963P2-8

963P2-9

963P2-10

963P2-11

963P2-12

963P2-13

963P2-14

SECTION A-A

1

2

3

4

A

B

1

2

3

4

ACAD

PDM: Rev:A

STATUS Released

22526

213

4 of

A83KC4169

FASTECH

963P CONNECTOR

ASSEMBLY .100" CENTERS

www.fciconnect.com

FCI

CONFIDENTIAL

THIS POSITION IS PLUGGED FOR NON-STANDARD PLUGGED LOCATIONS, SEE HOUSING DRAWING.

.125 MAX. REF.

.0625

DIM. A (SEE TABLE D)

.560 REF.

963P2 SINGLE ROW PLUGGED

TABLE D

ITEM 2 COMCODE

ITEM 2 NO. REQD.

HOUSING SIZE

DIM. A REF.

CODE

963P2-2

963P2-3

963P2-4

963P2-5

963P2-6

963P2-7

963P2-8

963P2-9

963P2-10

963P2-11

963P2-12

963P2-13

963P2-14

SECTION A-A

1

2

3

4

A

B

1

2

3

4

ACAD

PDM: Rev:A

STATUS Released

22526

213

4 of

A83KC4169

FASTECH

963P CONNECTOR

ASSEMBLY .100" CENTERS

www.fciconnect.com

FCI

CONFIDENTIAL

THIS POSITION IS PLUGGED FOR NON-STANDARD PLUGGED LOCATIONS, SEE HOUSING DRAWING.

.125 MAX. REF.

.0625

DIM. A (SEE TABLE D)

.560 REF.

963P2 SINGLE ROW PLUGGED

TABLE D

ITEM 2 COMCODE

ITEM 2 NO. REQD.

HOUSING SIZE

DIM. A REF.

CODE

963P2-2

963P2-3

963P2-4

963P2-5

963P2-6

963P2-7

963P2-8

963P2-9

963P2-10

963P2-11

963P2-12

963P2-13

963P2-14

SECTION A-A

1

2

3

4

A

B

1

2

3

4

ACAD

PDM: Rev:A

STATUS Released

22526

213

4 of

A83KC4169

FASTECH

963P CONNECTOR

ASSEMBLY .100" CENTERS

www.fciconnect.com

FCI

CONFIDENTIAL

THIS POSITION IS PLUGGED FOR NON-STANDARD PLUGGED LOCATIONS, SEE HOUSING DRAWING.

.125 MAX. REF.

.0625

DIM. A (SEE TABLE D)

.560 REF.

963P2 SINGLE ROW PLUGGED

TABLE D

ITEM 2 COMCODE

ITEM 2 NO. REQD.

HOUSING SIZE

DIM. A REF.

CODE

963P2-2

963P2-3

963P2-4

963P2-5

963P2-6

963P2-7

963P2-8

963P2-9

963P2-10

963P2-11

963P2-12

963P2-13

963P2-14

SECTION A-A

1

2

3

4

A

B

1

2

3

4

ACAD

PDM: Rev:A

STATUS Released

22526

213

4 of

A83KC4169

FASTECH

963P CONNECTOR

ASSEMBLY .100" CENTERS

www.fciconnect.com

FCI

CONFIDENTIAL

THIS POSITION IS PLUGGED FOR NON-STANDARD PLUGGED LOCATIONS, SEE HOUSING DRAWING.

.125 MAX. REF.

.0625

DIM. A (SEE TABLE D)

.560 REF.

963P2 SINGLE ROW PLUGGED

TABLE D

ITEM 2 COMCODE

ITEM 2 NO. REQD.

HOUSING SIZE

DIM. A REF.

CODE

963P2-2

963P2-3

963P2-4

963P2-5

963P2-6

963P2-7

963P2-8

963P2-9

963P2-10

963P2-11

963P2-12

963P2-13

963P2-14

SECTION A-A

1

2

3

4

A

B

1

2

3

4

ACAD

PDM: Rev:A

STATUS Released

22526

213

4 of

A83KC4169

FASTECH

963P CONNECTOR

ASSEMBLY .100" CENTERS

www.fciconnect.com

FCI

CONFIDENTIAL

THIS POSITION IS PLUGGED FOR NON-STANDARD PLUGGED LOCATIONS, SEE HOUSING DRAWING.

.125 MAX. REF.

.0625

DIM. A (SEE TABLE D)

.560 REF.

963P2 SINGLE ROW PLUGGED

TABLE D

ITEM 2 COMCODE

ITEM 2 NO. REQD.

HOUSING SIZE

DIM. A REF.

CODE

963P2-2

963P2-3

963P2-4

963P2-5

963P2-6

963P2-7

963P2-8

963P2-9

963P2-10

963P2-11

963P2-12

963P2-13

963P2-14

Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation ecrite du proprietaire. Propriete de c FCI. Droits de reproduction FCI.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.



B

1 2

3

4

963P4
SINGLE ROW

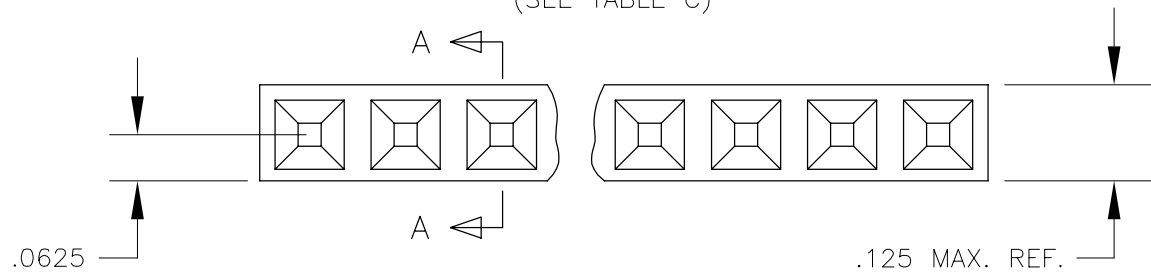
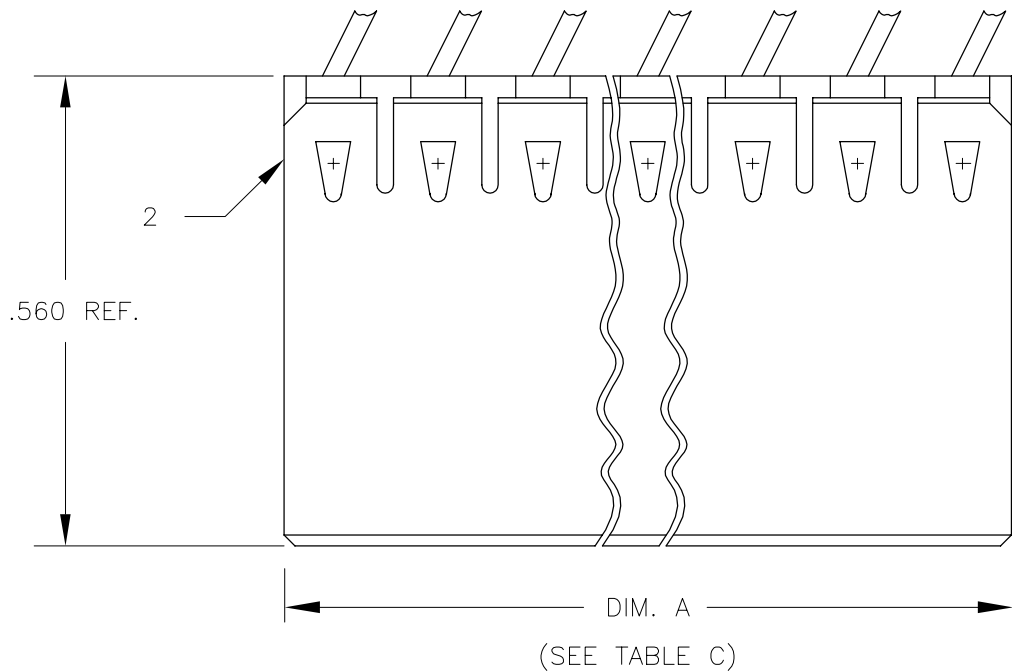
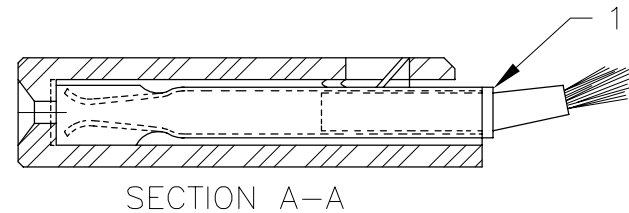
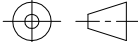


TABLE C					
CODE	DIM. A REF.	HOUSING SIZE	ITEM 1 NO. REQD.	ITEM 2 COMCODE	ITEM 2 NO. REQD.
963P4-1	.096	1 X 1	1	844637165	1
963P4-2	.196	1 X 2	2	844637173	1
963P4-3	.296	1 X 3	3	844637181	1
963P4-4	.396	1 X 4	4	844637199	1
963P4-5	.496	1 X 5	5	844637207	1
963P4-6	.596	1 X 6	6	844637215	1
963P4-7	.696	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



CONFIDENTIAL

mat'l. code --				tolerances unless otherwise specified				CUSTOMER COPY		 Electronics FCI www.fciconnect.com																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
ltr	ecn no	dr	date	linear	XX ±.01			projection 	title 963P CONNECTOR ASSEMBLY .100" CENTERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
A					.XXX ±.003																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
					.XXXX ±.0020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				angles	0° ±2°			INCH  scale 1:1	product family FASTECH								code																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				dr	C. DAILY	2/25/02			size				dwg no				213																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				engr	R. CONRAD	2/25/02			A A83KC4169								sheet 5 of																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				chr	R. CONRAD	2/25/02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				appd	R. CONRAD	2/25/02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
sheet index		revision sheet																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</

cage code
22526

PDM: Rev:A STATUS: Released

Printed: Jul 24, 2003

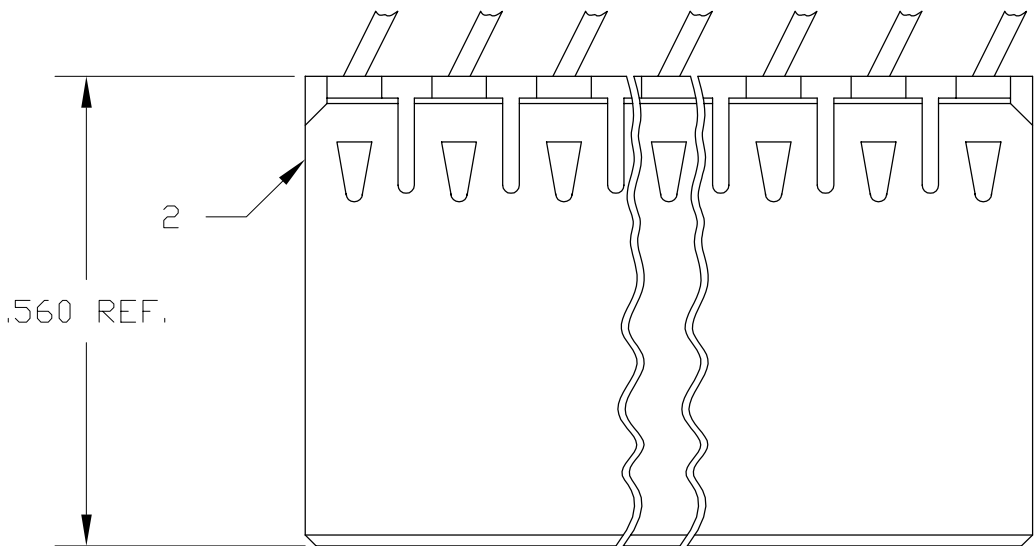


A

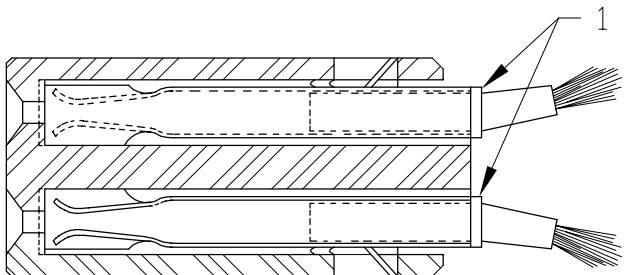
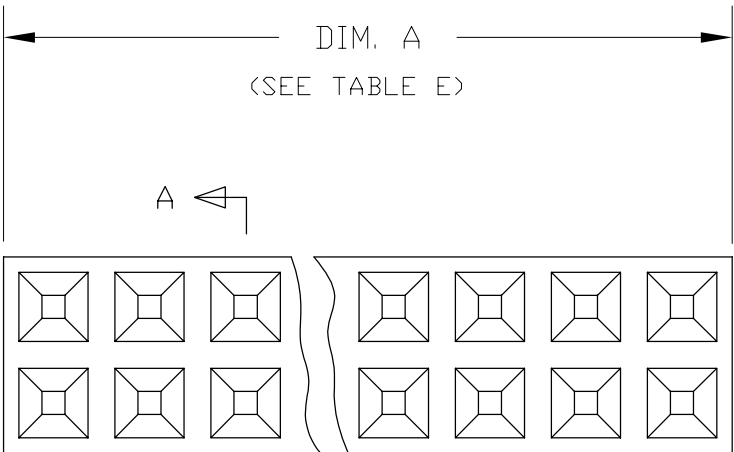
B

963P3

DOUBLE ROW



DIM. A
(SEE TABLE E)

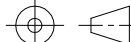


SECTION A-A

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

CONFIDENTIAL

mat'l. code --				tolerances unless otherwise specified				CUSTOMER COPY		 Electronics FCI www.fciconnect.com									
ltr	ecn no	dr	date	linear	.XX ±.01			projection 	title 963P CONNECTOR ASSEMBLY .100" CENTERS										
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 A A83KC4169						sheet 6 of						
				engr	R. CONRAD	2/25/02													
				chr	R. CONRAD	2/25/02													
				appd	R. CONRAD	2/25/02													
sheet index		revision sheet																	

cage code
22526

ACAD

PDM: Rev:A STATUS: Released

Printed: Jul 24, 2003

