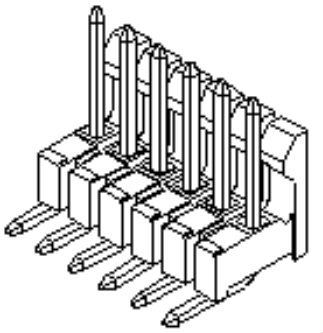
This document was generated on 04/12/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0022281048

Status: Active

Description: 2.54mm (.100") Pitch KK® Header, Breakaway, Right Angle, with Friction Lock, 4 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating, with Backwalls Removed



Series image - Reference only

Documents:

3D Model
Packaging Specification (PDF)
Drawing (PDF)
Product Specification PS-10-07 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	42228
Application	Wire-to-Board
Comments	Backwalls Removed
Product Name	KK®

Physical

Breakaway	Yes
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.120 In
PC Tail Length (mm)	3.05 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Temperature Range - Operating	0°C to +75°C
Termination Interface: Style	Through Hole

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
42228Series

Mates With
2695 , 6471 , 7880 , 4455 , 7720

Electrical

Current - Maximum per Contact	4A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235

Material Info

Old Part Number	42228-0284

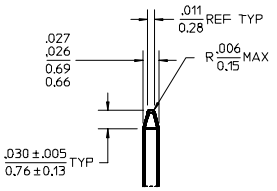
Reference - Drawing Numbers

Product Specification	PS-10-07
Sales Drawing	SD-42228-001, SD-42228-002

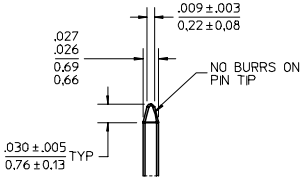
This document was generated on 04/12/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

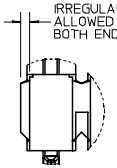
CKTS	DIM A	DIM B
2	.200/5.08	.100/2.54
3	.300/7.62	.200/5.08
4	.400/10.16	.300/7.62
5	.500/12.70	.400/10.16
6	.600/15.24	.500/12.70
7	.700/17.78	.600/15.24
8	.800/20.32	.700/17.78
9	.900/22.86	.800/20.32
10	1.000/25.40	.900/22.86
11	1.100/27.94	1.000/25.40
12	1.200/30.48	1.100/27.94
13	1.300/33.02	1.200/30.48
14	1.400/35.56	1.300/33.02
15	1.500/38.10	1.400/35.56
16	1.600/40.64	1.500/38.10
17	1.700/43.18	1.600/40.64
18	1.800/45.72	1.700/43.18
19	1.900/48.26	1.800/45.72
20	2.000/50.80	1.900/48.26
21	2.100/53.34	2.000/50.80
22	2.200/55.88	2.100/53.34
23	2.300/58.42	2.200/55.88
24	2.400/60.96	2.300/58.42
25	2.500/63.50	2.400/60.96
26	2.600/66.04	2.500/63.50
27	2.700/68.58	2.600/66.04
28	2.800/71.12	2.700/68.58
29	2.900/73.66	2.800/71.12
30	3.000/76.20	2.900/73.66
31	3.100/78.74	3.000/76.20
32	3.200/81.28	3.100/78.74
33	3.300/83.82	3.200/81.28
34	3.400/86.36	3.300/83.82
35	3.500/88.90	3.400/86.36
36	3.600/91.44	3.500/88.90



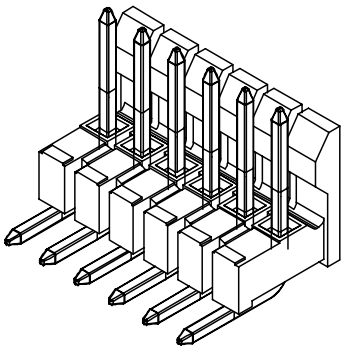
DETAIL X
SCALE 5:1

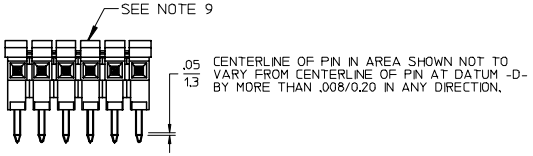


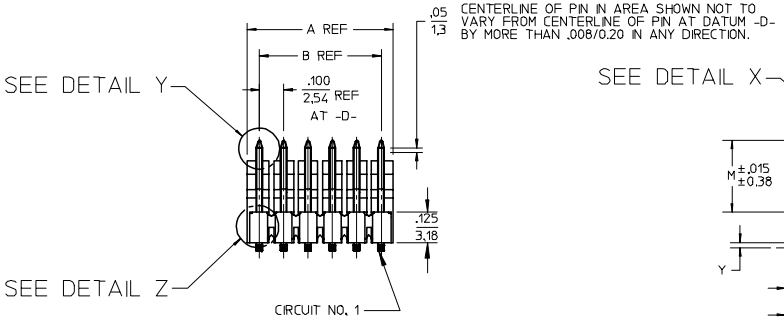
DETAIL Y
SCALE 5:1



DETAIL Z
SCALE 5:1

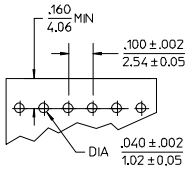




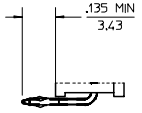


NOTES:
1. MATERIAL:GLASS FILLED NYLON, 94V-0, COLOR: BLACK
2. FINISH:
   (154) *OVERALL TIN: .000100/0.00254 MIN.
   OVER .000050/0.00127 MIN NICKEL.
   (208) SELECT GOLD: .000015/0.00038 MIN.
   *SELECT TIN: .000100/0.00254 MIN.
   OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.
   (228) SELECT GOLD: .000030/0.00076 MIN.
   *SELECT TIN: .000100/0.00254 MIN.
   OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.
   *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 TIN-LEAD PLATING
3. PRODUCT SPECIFICATION: PS-10-07.
4. PACKAGING INFORMATION: SEE TABLES
5. KINK PIN SPECIFICATION: SEE SMES-42003
6. HEADERS ARE NOT STACKABLE ON .100/2.54 CENTERS.
7. SOLDERABILITY PER SMES-152.
8. PIN PUSH OUT FORCE: 3 LBS. MIN.
9. ABRASION MARKS ON BACK WALL SURFACE ARE PERMISSIBLE.

2-*	L
1	L4
SHT	REV



RECOMMENDED PC BOARD LAYOUT



KINKED PIN DETAIL
SEE NOTE 5

REV	DESCRIPTION	DRWN:ADERR	CHKD:LSCHMIDT	APPR:FSMITH
L4	ADD NOTE 9 EC NO: UCP2006-1710	2006/02/01	2006/02/02	2006/02/06

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .014
1 PLACE	± 0.36	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 2:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	JSCHAFER
DATE	2004/03/18
CHECKED BY	KSAMIEC
DATE	2004/03/18
APPROVED BY	MARGULIS
DATE	2004/03/18

TITLE: .100 FRICTION LOCK BREAKAWAY HEADER ASSY

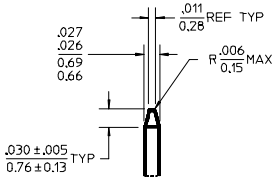
molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-42228-001
SHEET NO.: 1 OF 4

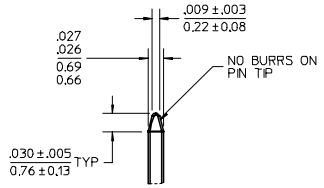
SIZE B

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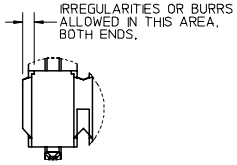
CKTS	DIM A	DIM B
2	.200/5.08	.100/2.54
3	.300/7.62	.200/5.08
4	.400/10.16	.300/7.62
5	.500/12.70	.400/10.16
6	.600/15.24	.500/12.70
7	.700/17.78	.600/15.24
8	.800/20.32	.700/17.78
9	.900/22.86	.800/20.32
10	1.000/25.40	.900/22.86
11	1.100/27.94	1.000/25.40
12	1.200/30.48	1.100/27.94
13	1.300/33.02	1.200/30.48
14	1.400/35.56	1.300/33.02
15	1.500/38.10	1.400/35.56
16	1.600/40.64	1.500/38.10
17	1.700/43.18	1.600/40.64
18	1.800/45.72	1.700/43.18
19	1.900/48.26	1.800/45.72
20	2.000/50.80	1.900/48.26
21	2.100/53.34	2.000/50.80
22	2.200/55.88	2.100/53.34
23	2.300/58.42	2.200/55.88
24	2.400/60.96	2.300/58.42
25	2.500/63.50	2.400/60.96
26	2.600/66.04	2.500/63.50
27	2.700/68.58	2.600/66.04
28	2.800/71.12	2.700/68.58
29	2.900/73.66	2.800/71.12
30	3.000/76.20	2.900/73.66
31	3.100/78.74	3.000/76.20
32	3.200/81.28	3.100/78.74
33	3.300/83.82	3.200/81.28
34	3.400/86.36	3.300/83.82
35	3.500/88.90	3.400/86.36
36	3.600/91.44	3.500/88.90



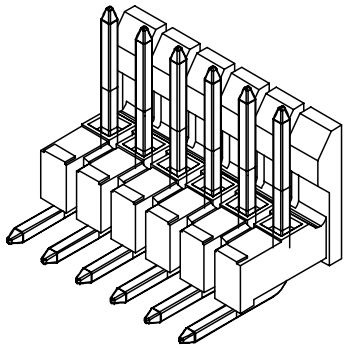
DETAIL X
SCALE 5:1

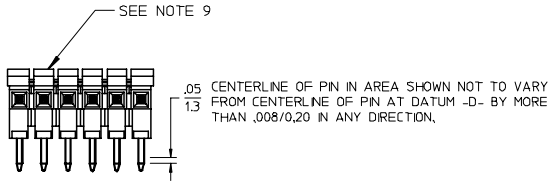


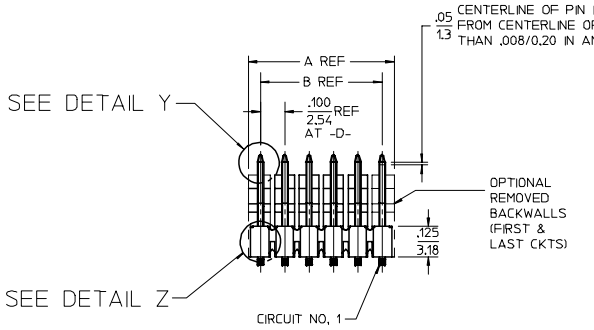
DETAIL Y
SCALE 5:1

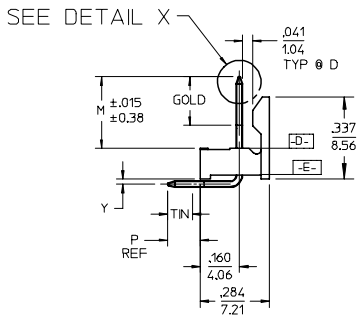


DETAIL Z
SCALE 5:1

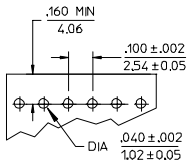




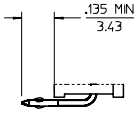




NOTES:
1. MATERIAL:GLASS FILLED NYLON, 94V-0, COLOR: BLACK
2. FINISH:
   (154) *OVERALL TIN: .000100/0.00254 MIN.
   OVER .000050/0.00127 MIN NICKEL.
   (208) SELECT GOLD: .000015/0.00038 MIN.
   *SELECT TIN: .000100/0.00254 MIN.
   OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.
   (228) SELECT GOLD: .000030/0.00076 MIN.
   *SELECT TIN: .000100/0.00254 MIN.
   OVERALL NICKEL UNDERPLATE: .000050/0.00127 MIN.
   *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 TIN-LEAD PLATING
3. PRODUCT SPECIFICATION: PS-10-07.
4. PACKAGING INFORMATION: SEE TABLES
5. KINK PIN SPECIFICATION: SEE SMES-42003
6. HEADERS ARE NOT STACKABLE ON .100/2.54 CENTERS.
7. SOLDERABILITY PER SMES-152.
8. PIN PUSH OUT FORCE: 3 LBS. MIN.
9. ABRASION MARKS ON BACK WALL SURFACE ARE PERMISSIBLE.



RECOMMENDED PC BOARD LAYOUT



KINKED PIN DETAIL
SEE NOTE 5

REV	DESCRIPTION	
L4	ADD NOTE 9	2006/02/01
	EC NO: UCP2006-1710	2006/02/02
	DRWN:ADERR	2006/02/06
	CH'KD:LSCHMIDT	
	APPR:FSMITH	

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .014
1 PLACE	± 0.36	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 2:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	JSCHAFER
DATE	2004/03/18
CHECKED BY	KSAMIEC
DATE	2004/03/18
APPROVED BY	MARGULIS
DATE	2004/03/18

TITLE: .100 FRICTION LOCK BREAKAWAY HEADER ASSY

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-42228-002
SHEET NO.: 1 OF 6

SIZE: B

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2-*	L
1	L4
SHT	REV

A-42228-0213/0246	
HEADER NUMBER:	41411
PIN NUMBER:	42663-CKA154
PIN LENGTH: L	.705/17.91
MATING LENGTH: M	.295/7.49
GOLD POINT: G	N/A
PC TAIL LENGTH: P	.120/3.05
TIN: T	OVERALL
DIMENSION Y	.022/0.56
CKTS:	3-36
KINKS:	NO
REMOVED BACKWALLS:	YES
VOIDED CKTS:	NONE
PACKAGING:	BULK 40873-0056

CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02			20	22-28-1206	A-42228-0230
03	22-28-1036	A-42228-0213	21	22-28-1216	A-42228-0231
04	22-28-1046	A-42228-0214	22	22-28-1226	A-42228-0232
05	22-28-1056	A-42228-0215	23	22-28-1236	A-42228-0233
06	22-28-1066	A-42228-0216	24	22-28-1246	A-42228-0234
07	22-28-1076	A-42228-0217	25	22-28-1256	A-42228-0235
08	22-28-1086	A-42228-0218	26	22-28-1266	A-42228-0236
09	22-28-1096	A-42228-0219	27	22-28-1276	A-42228-0237
10	22-28-1106	A-42228-0220	28	22-28-1286	A-42228-0238
11	22-28-1116	A-42228-0221	29	22-28-1296	A-42228-0239
12	22-28-1126	A-42228-0222	30	22-28-1306	A-42228-0240
13	22-28-1136	A-42228-0223	31	22-28-1316	A-42228-0241
14	22-28-1146	A-42228-0224	32	22-28-1326	A-42228-0242
15	22-28-1156	A-42228-0225	33	22-28-1336	A-42228-0243
16	22-28-1166	A-42228-0226	34	22-28-1346	A-42228-0244
17	22-28-1176	A-42228-0227	35	22-28-1356	A-42228-0245
18	22-28-1186	A-42228-0228	36	22-28-1366	A-42228-0246
19	22-28-1196	A-42228-0229			

A-42228-0248/0281	
HEADER NUMBER:	41411
PIN NUMBER:	42663-CKB208
PIN LENGTH: L	.705/17.91
MATING LENGTH: M	.295/7.49
GOLD POINT: G	.140/3.56
PC TAIL LENGTH: P	.120/3.05
TIN: T	.135/3.43
DIMENSION Y	.022/0.56
CKTS:	3-36
KINKS:	NO
REMOVED BACKWALLS:	YES
VOIDED CKTS:	NONE
PACKAGING:	BULK 40873-0056

CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02			20	22-28-1207	A-42228-0265
03	22-28-1037	A-42228-0248	21	22-28-1217	A-42228-0266
04	22-28-1047	A-42228-0249	22	22-28-1227	A-42228-0267
05	22-28-1057	A-42228-0250	23	22-28-1237	A-42228-0268
06	22-28-1067	A-42228-0251	24	22-28-1247	A-42228-0269
07	22-28-1077	A-42228-0252	25	22-28-1257	A-42228-0270
08	22-28-1087	A-42228-0253	26	22-28-1267	A-42228-0271
09	22-28-1097	A-42228-0254	27	22-28-1277	A-42228-0272
10	22-28-1107	A-42228-0255	28	22-28-1287	A-42228-0273
11	22-28-1117	A-42228-0256	29	22-28-1297	A-42228-0274
12	22-28-1127	A-42228-0257	30	22-28-1307	A-42228-0275
13	22-28-1137	A-42228-0258	31	22-28-1317	A-42228-0276
14	22-28-1147	A-42228-0259	32	22-28-1327	A-42228-0277
15	22-28-1157	A-42228-0260	33	22-28-1337	A-42228-0278
16	22-28-1167	A-42228-0261	34	22-28-1347	A-42228-0279
17	22-28-1177	A-42228-0262	35	22-28-1357	A-42228-0280
18	22-28-1187	A-42228-0263	36	22-28-1367	A-42228-0281
19	22-28-1197	A-42228-0264			

REV:		TITLE:	SHEET No.
K		.100 FRICTION LOCK BREAKAWAY HEADER ASSY.	**- 2 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 42228 -002	**J. SCHAFER 10/7/2003**	**K.SAMIEC 10/14/2003**	**Y. MARGULIS 10/21/03**

A-42228-0283/0316	
HEADER NUMBER:	41411
PIN NUMBER:	42663-CKB228
PIN LENGTH: L	.705/17.91
MATING LENGTH: M	.295/7.49
GOLD POINT: G	.140/3.56
PC TAIL LENGTH: P	.120/3.05
TIN: T	.135/3.43
DIMENSION Y	.022/0.56
CKTS:	3-36
KINKS:	NO
REMOVED BACKWALLS:	YES
VOIDED CKTS:	NONE
PACKAGING:	BULK 40873-0056

CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02			20	22-28-1208	A-42228-0300
03	22-28-1038	A-42228-0283	21	22-28-1218	A-42228-0301
04	22-28-1048	A-42228-0284	22	22-28-1228	A-42228-0302
05	22-28-1058	A-42228-0285	23	22-28-1238	A-42228-0303
06	22-28-1068	A-42228-0286	24	22-28-1248	A-42228-0304
07	22-28-1078	A-42228-0287	25	22-28-1258	A-42228-0305
08	22-28-1088	A-42228-0288	26	22-28-1268	A-42228-0306
09	22-28-1098	A-42228-0289	27	22-28-1278	A-42228-0307
10	22-28-1108	A-42228-0290	28	22-28-1288	A-42228-0308
11	22-28-1118	A-42228-0291	29	22-28-1298	A-42228-0309
12	22-28-1128	A-42228-0292	30	22-28-1308	A-42228-0310
13	22-28-1138	A-42228-0293	31	22-28-1318	A-42228-0311
14	22-28-1148	A-42228-0294	32	22-28-1328	A-42228-0312
15	22-28-1158	A-42228-0295	33	22-28-1338	A-42228-0313
16	22-28-1168	A-42228-0296	34	22-28-1348	A-42228-0314
17	22-28-1178	A-42228-0297	35	22-28-1358	A-42228-0315
18	22-28-1188	A-42228-0298	36	22-28-1368	A-42228-0316
19	22-28-1198	A-42228-0299			

A-42228-0318/0351	
HEADER NUMBER:	41411
PIN NUMBER:	42663-CNA154
PIN LENGTH: L	.720/18.29
MATING LENGTH: M	.295/7.49
GOLD POINT: G	N/A
PC TAIL LENGTH: P	.135/3.43
TIN: T	OVERALL
DIMENSION Y	.022/0.56
CKTS:	3-36
KINKS:	YES SMES-42003
REMOVED BACKWALLS:	YES
VOIDED CKTS:	NONE
PACKAGING:	BULK 40873-0056

CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02			20	22-28-1209	A-42228-0335
03	22-28-1039	A-42228-0318	21	22-28-1219	A-42228-0336
04	22-28-1049	A-42228-0319	22	22-28-1229	A-42228-0337
05	22-28-1059	A-42228-0320	23	22-28-1239	A-42228-0338
06	22-28-1069	A-42228-0321	24	22-28-1249	A-42228-0339
07	22-28-1079	A-42228-0322	25	22-28-1259	A-42228-0340
08	22-28-1089	A-42228-0323	26	22-28-1269	A-42228-0341
09	22-28-1099	A-42228-0324	27	22-28-1279	A-42228-0342
10	22-28-1109	A-42228-0325	28	22-28-1289	A-42228-0343
11	22-28-1119	A-42228-0326	29	22-28-1299	A-42228-0344
12	22-28-1129	A-42228-0327	30	22-28-1309	A-42228-0345
13	22-28-1139	A-42228-0328	31	22-28-1319	A-42228-0346
14	22-28-1149	A-42228-0329	32	22-28-1329	A-42228-0347
15	22-28-1159	A-42228-0330	33	22-28-1339	A-42228-0348
16	22-28-1169	A-42228-0331	34	22-28-1349	A-42228-0349
17	22-28-1179	A-42228-0332	35	22-28-1359	A-42228-0350
18	22-28-1189	A-42228-0333	36	22-28-1369	A-42228-0351
19	22-28-1199	A-42228-0334			

REV:		TITLE:	SHEET No.
K		.100 FRICTION LOCK BREAKAWAY HEADER ASSY.	**- 3 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 42228 -002	**J. SCHAFER 10/7/2003**	**K.SAMIEC 10/14/2003**	**Y. MARGULIS 10/21/03**

A-42228-0422/0454	
HEADER NUMBER:	41411
PIN NUMBER:	42663-CKB228
PIN LENGTH: L	.705/17.91
MATING LENGTH: M	.295/7.49
GOLD POINT: G	.140/3.56
PC TAIL LENGTH: P	.120/3.05
TIN: T	.135/3.43
DIMENSION Y	.022/0.56
CKTS:	3-36
KINKS:	NO
REMOVED BACKWALLS:	YES
VOIDED CKTS:	3
PACKAGING:	BULK 40873-0056

CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02			20		A-42228-0439
03		A-42228-0422	21		A-42228-0440
04	22-29-1041	A-42228-0423	22		A-42228-0441
05		A-42228-0424	23		A-42228-0442
06		A-42228-0425	24		A-42228-0443
07		A-42228-0426	25		A-42228-0444
08		A-42228-0427	26		A-42228-0445
09		A-42228-0428	27		A-42228-0446
10		A-42228-0429	28		A-42228-0447
11		A-42228-0430	29		A-42228-0448
12		A-42228-0431	30		A-42228-0449
13		A-42228-0432	31		A-42228-0450
14		A-42228-0433	32		A-42228-0451
15		A-42228-0434	33		A-42228-0452
16		A-42228-0435	34		A-42228-0453
17		A-42228-0436	35		A-42228-0454
18		A-42228-0437	36		A-42228-0455
19		A-42228-0438			

A-42228-0456/0490	
HEADER NUMBER:	41411
PIN NUMBER:	42663-CNB208
PIN LENGTH: L	.720/18.29
MATING LENGTH: M	.295/7.49
GOLD POINT: G	.140/3.56
PC TAIL LENGTH: P	.135/3.43
TIN: T	.135/3.43
DIMENSION Y	.022/0.56
CKTS:	2-36
KINKS:	YES SMES-42003
REMOVED BACKWALLS:	NO
VOIDED CKTS:	2
PACKAGING:	BULK 40873-0056

CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02		A-42228-0456	20	22-29-1204	A-42228-0474
03	22-29-1034	A-42228-0457	21	22-29-1214	A-42228-0475
04	22-29-1044	A-42228-0458	22	22-29-1224	A-42228-0476
05	22-29-1054	A-42228-0459	23	22-29-2234	A-42228-0477
06	22-29-1064	A-42228-0460	24	22-29-1244	A-42228-0478
07	22-29-1074	A-42228-0461	25	22-29-1254	A-42228-0479
08	22-29-1084	A-42228-0462	26	22-29-1264	A-42228-0480
09	22-29-1094	A-42228-0463	27	22-29-1274	A-42228-0481
10	22-29-1104	A-42228-0464	28	22-29-1284	A-42228-0482
11	22-29-1114	A-42228-0465	29	22-29-1294	A-42228-0483
12	22-29-1124	A-42228-0466	30	22-29-1304	A-42228-0484
13	22-29-1134	A-42228-0467	31	22-29-1314	A-42228-0485
14	22-29-1144	A-42228-0468	32	22-29-1324	A-42228-0486
15	22-29-1154	A-42228-0469	33	22-29-1334	A-42228-0487
16	22-29-1164	A-42228-0470	34	22-29-1344	A-42228-0488
17	22-29-1174	A-42228-0471	35	22-29-1354	A-42228-0489
18	22-29-1184	A-42228-0472	36	22-29-1364	A-42228-0490
19	22-29-1194	A-42228-0473			

REV:		TITLE:	SHEET No.
K		.100 FRICTION LOCK BREAKAWAY HEADER ASSY.	**- 4 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 42228 -002	**J. SCHAFER 10/7/2003**	**K.SAMIEC 10/14/2003**	**Y. MARGULIS 10/21/03**

A-42228-0491/0524	
HEADER NUMBER:	41411
PIN NUMBER:	42663-CNA154
PIN LENGTH: L	.720/18.29
MATING LENGTH: M	.295/7.49
GOLD POINT: G	N/A
PC TAIL LENGTH: P	.135/3.43
TIN: T	OVERALL
DIMENSION Y	.022/0.56
CKTS:	3-36
KINKS:	YES SMES-43703
REMOVED BACKWALLS:	YES
VOIDED CKTS:	NONE
PACKAGING:	BULK 40873-0056

CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02			20		A-42228-0508
03		A-42228-0491	21		A-42228-0509
04		A-42228-0492	22		A-42228-0510
05	42228-0493	A-42228-0493	23		A-42228-0511
06	42228-0494	A-42228-0494	24		A-42228-0512
07	42228-0495	A-42228-0495	25		A-42228-0513
08		A-42228-0496	26		A-42228-0514
09		A-42228-0497	27		A-42228-0515
10		A-42228-0498	28		A-42228-0516
11	42228-0499	A-42228-0499	29		A-42228-0517
12		A-42228-0500	30		A-42228-0518
13		A-42228-0501	31		A-42228-0519
14		A-42228-0502	32		A-42228-0520
15		A-42228-0503	33		A-42228-0521
16		A-42228-0504	34		A-42228-0522
17		A-42228-0505	35		A-42228-0523
18		A-42228-0506	36		A-42228-0524
19		A-42228-0507			

A-42228-0525/0537	
HEADER NUMBER:	41411
PIN NUMBER:	42663-CNA154
PIN LENGTH: L	.720/18.29
MATING LENGTH: M	.295/7.49
GOLD POINT: G	N/A
PC TAIL LENGTH: P	.135/3.43
TIN: T	OVERALL
DIMENSION Y	.022/0.56
CKTS:	24-36
KINKS:	YES SMES-42003
REMOVED BACKWALLS:	NO
VOIDED CKTS:	5, 7, 11,13,16, 20, 24
PACKAGING:	BULK 40873-0056

CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02			20		
03			21		
04			22		
05			23		
06			24	42228-0525	A-42228-0525
07			25	42228-0526	A-42228-0526
08			26	42228-0527	A-42228-0527
09			27	42228-0528	A-42228-0528
10			28	42228-0529	A-42228-0529
11			29	42228-0530	A-42228-0530
12			30	42228-0531	A-42228-0531
13			31	42228-0532	A-42228-0532
14			32	42228-0533	A-42228-0533
15			33	42228-0534	A-42228-0534
16			34	42228-0535	A-42228-0535
17			35	42228-0536	A-42228-0536
18			36	42228-0537	A-42228-0537
19					

REV:		TITLE:	SHEET No.
K		.100 FRICTION LOCK BREAKAWAY HEADER ASSY.	**- 5 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 42228 -002	**J. SCHAFER 10/7/2003**	**K.SAMIEC 10/14/2003**	**Y. MARGULIS 10/21/03**

A-42228-0538/0566	
HEADER NUMBER:	41411
PIN NUMBER:	42663-CNA154
PIN LENGTH: L	.720/18.29
MATING LENGTH: M	.295/7.49
GOLD POINT: G	N/A
PC TAIL LENGTH: P	.135/3.43
TIN: T	OVERALL
DIMENSION Y	.022/0.56
CKTS:	8-36
KINKS:	YES SMES-42003
REMOVED BACKWALLS:	NO
VOIDED CKTS:	8
PACKAGING:	BULK 40873-0056

CKTS	MATERIAL NUMBER	ENG NUMBER	CKTS	MATERIAL NUMBER	ENG NUMBER
02			20	42228-0550	A-42228-0550
03			21	42228-0551	A-42228-0551
04			22	42228-0552	A-42228-0552
05			23	42228-0553	A-42228-0553
06			24	42228-0554	A-42228-0554
07			25	42228-0555	A-42228-0555
08	42228-0538	A-42228-0538	26	42228-0556	A-42228-0556
09	42228-0539	A-42228-0539	27	42228-0557	A-42228-0557
10	42228-0540	A-42228-0540	28	42228-0558	A-42228-0558
11	42228-0541	A-42228-0541	29	42228-0559	A-42228-0559
12	42228-0542	A-42228-0542	30	42228-0560	A-42228-0560
13	42228-0543	A-42228-0543	31	42228-0561	A-42228-0561
14	42228-0544	A-42228-0544	32	42228-0562	A-42228-0562
15	42228-0545	A-42228-0545	33	42228-0563	A-42228-0563
16	42228-0546	A-42228-0546	34	42228-0564	A-42228-0564
17	42228-0547	A-42228-0547	35	42228-0565	A-42228-0565
18	42228-0548	A-42228-0548	36	42228-0566	A-42228-0566
19	42228-0549	A-42228-0549			

REV:		TITLE:	SHEET No.
K		.100 FRICTION LOCK BREAKAWAY HEADER ASSY.	**- 6 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SD- 42228 -002	**J. SCHAFER 10/7/2003**	**K.SAMIEC 10/14/2003**	**Y. MARGULIS 10/21/03**