

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 15 circuits
- Large lead-in chamfers
- Bottom entry mount
- Polarizing key available
- Mating headers must be long enough to accommodate board thickness

Reference Information

Product Specification: PS-08-50

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

Mates With: Molex KK 3.96mm (.156") locking headers or

1.14mm (.045") staked pins

Designed In: Inches

Electrical

Voltage: 250V AC max.

Current: 5.0A max.*

Contact Resistance: 6mΩ max.

Dielectric Withstanding Voltage: 1500V AC

Insulation Resistance: 50K MΩ min.

Physical

Housing: Polyester, UL 94V-0

Contact: Brass or Phosphor Bronze

Plating: See Table

Operating Temperature: 0 to +75°C



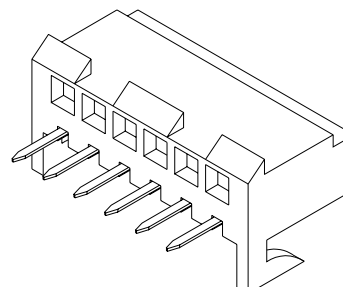
3.96mm (.156") Pitch

KK®

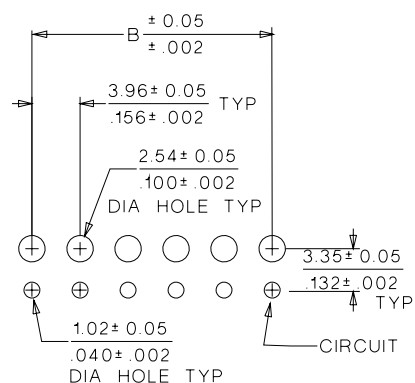
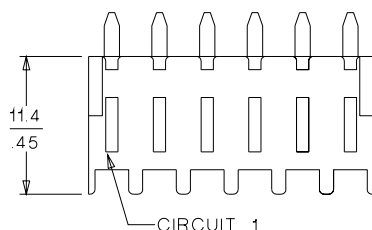
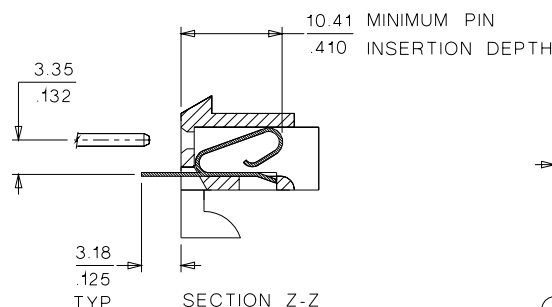
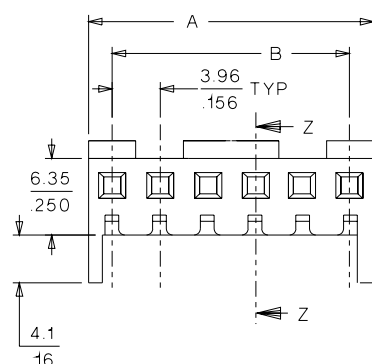
PC Board Connector

41815

Bottom Entry



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS:
1.57 ± 0.18mm
.062 ± .007mm

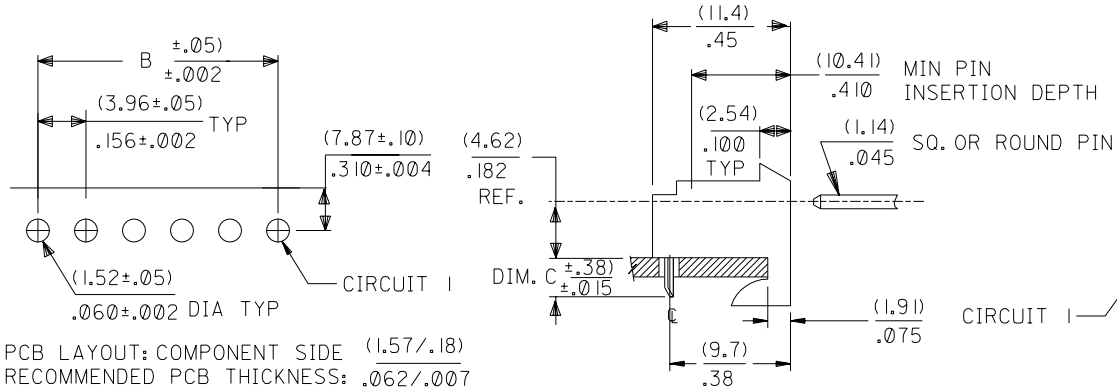
ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.		Dimension	
	Tin	Select Gold	A	B
2	• 09-48-4029	• 09-48-3024	7.82 (.308)	3.96 (.156)
3	• 09-48-4039	• 09-48-3034	11.79 (.464)	7.92 (.312)
4	• 09-48-4049	• 09-48-3044	15.75 (.620)	11.89 (.468)
5	• 09-48-4059	• 09-48-3054	19.70 (.776)	15.85 (.624)
6	• 09-48-4069	• 09-48-3064	23.67 (.932)	19.81 (.780)
7	• 09-48-4079	• 09-48-3074	27.64 (1.088)	23.77 (.936)
8	• 09-48-4089	• 09-48-3084	31.60 (1.244)	27.74 (1.092)
9	• 09-48-4099	• 09-48-3094	35.56 (1.400)	31.70 (1.248)
10	• 09-48-4109	• 09-48-3104	39.52 (1.556)	35.66 (1.404)
11	• 09-48-4119	• 09-48-3114	43.48 (1.712)	39.62 (1.560)
12	• 09-48-4129	• 09-48-3124	47.45 (1.868)	43.59 (1.716)
13	• 09-48-4139	• 09-48-3134	51.41 (2.024)	47.55 (1.872)
14	• 09-48-4149	• 09-48-3144	55.37 (2.180)	51.51 (2.028)
15	• 09-48-4159	• 09-48-3154	59.33 (2.336)	55.47 (2.184)

• US Standard Product, available through Molex franchised distributors

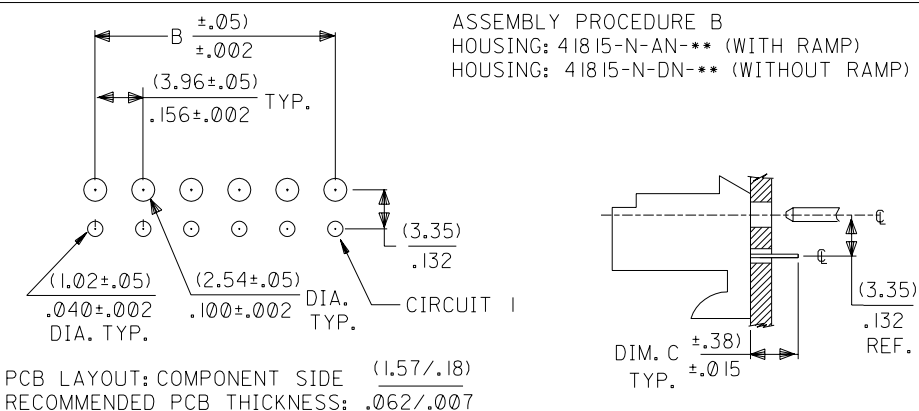
* Dependent upon PC board

ASSEMBLY PROCEDURE A
HOUSING: 41815-N-AN-** (WITH RAMP)
HOUSING: 41815-N-DN-** (WITHOUT RAMP)



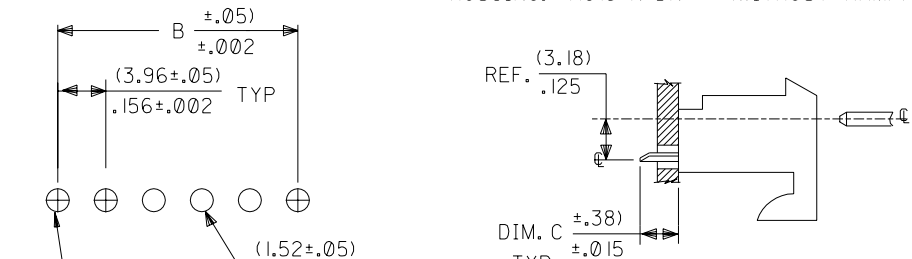
PCB LAYOUT: COMPONENT SIDE (1.57/.18)
RECOMMENDED PCB THICKNESS: .062/.007

ASSEMBLY PROCEDURE B
HOUSING: 41815-N-AN-** (WITH RAMP)
HOUSING: 41815-N-DN-** (WITHOUT RAMP)

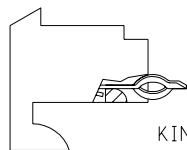


PCB LAYOUT: COMPONENT SIDE (1.57/.18)
RECOMMENDED PCB THICKNESS: .062/.007

ASSEMBLY PROCEDURE C
HOUSING: 41815-N-AN-** (WITH RAMP)
HOUSING: 41815-N-DN-** (WITHOUT RAMP)



PCB LAYOUT: COMPONENT SIDE (1.57/.18)
RECOMMENDED PCB THICKNESS: .062/.007



KINKED TERMINAL OPTION
SEE NOTE 5
(SEE ASSY PROC. C FOR PCB LAYOUT)

HOOKS REMOVED OPTION

NOTES:

2. SOLDERABILITY: WHEN PARTS ARE SOLDERED AT A TEMPERATURE OF 230°C OR 446°F FOR 5 SECONDS EACH SOLDERED SURFACE SHALL BE A MINIMUM OF 95% COVERED WITH A SMOOTH CONTINUOUS ADHERENT COATING. FOR ADDITIONAL INFORMATION SEE ES-152.
3. MATERIAL: HOUSING: POLYESTER, 94V-0 COLOR NATURAL (WHITE)
5. SEE SMES-42329-*** FOR KINK PIN INFORMATION.
6. PRODUCT SPECIFICATION: PS-08-50
7. PARTS ARE STACKABLE END TO END ON (3.96)/.156
8. FOR TOP ENTRY AND RIGHT ANGLE ASSEMBLIES WITH LOWER INSERTION FORCE USE SINGLE BEAM CONTACT. (TERMINAL NO. 4244)

GENERAL DOCS		2-*	AJI
MICROSTATION		I	
DIMENSIONS:		SHT	REV
☒ mm INCH	☐ INCH mm	☐ mm ONLY	REVISE ON CAD ONLY
6 HOUSING PCB SERIES			
X INCORPORATED			
DRAWING NO. SDA-41815		SHEET NO. 1 OF *	
IS PROPRIETARY TO MOLEX WITHOUT WRITTEN PERMISSION.			SIZE A



KK 156 PCB ASSY 2-15 CKT

41815 SERIES

Assy. Proc:	RIGHT ANGLE
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-BA-A1AA-102B
Term Matl:	PHOS BRONZE
Plating:	102 TIN
Dim C:	(3.68) / .145
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	RIGHT ANGLE
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-BA-A1AA-567B
Term Matl:	PHOS BRONZE
Plating:	567 – 15 GOLD
Dim C:	(3.68) / .145
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	6298-1-102
Term Matl:	PHOS BRONZE
Plating:	102 – TIN
Dim C:	(3.18)/.125
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	6298-1-567
Term Matl:	PHOS BRONZE
Plating:	567 – 15 GOLD
Dim C:	(3.18)/.125
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Ckts	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number
2	09-48-1024	A-41815-0002	09-48-5024	A-41815-0016	09-48-4029	A-41815-0030	09-48-5026	A-41815-0044
3	09-48-1034	A-41815-0003	09-48-5034	A-41815-0017	09-48-4039	A-41815-0031	09-48-5036	A-41815-0045
4	09-48-1044	A-41815-0004	09-48-5044	A-41815-0018	09-48-4049	A-41815-0032	09-48-5046	A-41815-0046
5	09-48-1054	A-41815-0005	09-48-5054	A-41815-0019	09-48-4059	A-41815-0033	09-48-5056	A-41815-0047
6	09-48-1064	A-41815-0006	09-48-5064	A-41815-0020	09-48-4069	A-41815-0034	09-48-5066	A-41815-0048
7	09-48-1074	A-41815-0007	09-48-5074	A-41815-0021	09-48-4079	A-41815-0035	09-48-5076	A-41815-0049
8	09-48-1084	A-41815-0008	09-48-5084	A-41815-0022	09-48-4089	A-41815-0036	09-48-5087	A-41815-0050
9	09-48-1094	A-41815-0009	09-48-5094	A-41815-0023	09-48-4099	A-41815-0037	09-48-5096	A-41815-0051
10	09-48-1104	A-41815-0010	09-48-5104	A-41815-0024	09-48-4109	A-41815-0038	09-48-5106	A-41815-0052
11	09-48-1114	A-41815-0011	09-48-5114	A-41815-0025	09-48-4119	A-41815-0039	09-48-5116	A-41815-0053
12	09-48-1124	A-41815-0012	09-48-5124	A-41815-0026	09-48-4129	A-41815-0040	09-48-5126	A-41815-0054
13	09-48-1134	A-41815-0013	09-48-5134	A-41815-0027	09-48-4139	A-41815-0041	09-48-5136	A-41815-0055
14	09-48-1144	A-41815-0014	09-48-5144	A-41815-0028	09-48-4149	A-41815-0042	09-48-5146	A-41815-0056
15	09-48-1154	A-41815-0015	09-48-5154	A-41815-0029	09-48-4159	A-41815-0043	09-48-5156	A-41815-0057

See 1 is a Microstation or ME10 Drawing.

CATALOG PRODUCTS

REV: AJ1	SEE SHEET ONE UCP2003-2042 SAMIEC 3/27/2002	TITLE: KK 156 HOUSING ASSY PCB 41815 SERIES DWG	SHEET No. - 2 -
DOCUMENT NUMBER: SDA-41815	CREATED / REVISED BY: SAMIEC	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS

TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC



KK 156 PCB ASSY 2-15 CKT

41815 SERIES

Assy. Proc:	TOP ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-BA-A1AA-102B
Term Matl:	PHOS BRONZE
Plating:	102 – TIN
Dim C:	(3.05) / .120
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY
Material No	Engineer Number
09-48-4028	A-41815-0058
09-48-4038	A-41815-0059
09-48-4048	A-41815-0060
09-48-4058	A-41815-0061
09-48-4068	A-41815-0062
09-48-4078	A-41815-0063
09-48-4088	A-41815-0064
09-48-4098	A-41815-0065
09-48-4108	A-41815-0066
09-48-4118	A-41815-0067
09-48-4128	A-41815-0068
09-48-4138	A-41815-0069
09-48-4148	A-41815-0070
09-48-4158	A-41815-0071

Assy. Proc:	TOP ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-BA-A1AA-567B
Term Matl:	PHOS BRONZE
Plating:	567 – 15 GOLD
Dim C:	(3.05) / .120
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY
Material No	Engineer Number
09-48-5025	A-41815-0072
09-48-5035	A-41815-0073
09-48-5045	A-41815-0074
09-48-5055	A-41815-0075
09-48-5065	A-41815-0076
09-48-5075	A-41815-0077
09-48-5085	A-41815-0078
09-48-5095	A-41815-0079
09-48-5105	A-41815-0080
09-48-5115	A-41815-0081
09-48-5125	A-41815-0082
09-48-5135	A-41815-0083
09-48-5145	A-41815-0084
09-48-5155	A-41815-0085

CATALOG PRODUCTS

REV: AJ1	SEE SHEET ONE UCP2003-2042 SAMIEC 3/27/2002	TITLE: KK 156 HOUSING ASSY PCB 41815 SERIES DWG	SHEET No. - 3 -
DOCUMENT NUMBER: SDA-41815	CREATED / REVISED BY: SAMIEC	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS



KK 156 PCB ASSY 2-15 CKT

41815 SERIES

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2188-1-P913
Term Matl:	BRASS
Plating:	P913 – TIN
Dim C:	(3.18) / .125
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	TOP ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-AA-A1AA-P913B
Term Matl:	BRASS
Plating:	P913 – TIN
Dim C:	(3.05) / .120
Voids:	NONE
Kinks:	NO
Hooks Cut:	YES
Packaging:	PK-41815-001 TRAY

Assy. Proc:	RIGHT ANGLE
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-AA-A1AA-122B
Term Matl:	BRASS
Plating:	122 – TIN
Dim C:	(3.68) / .145
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2188-1-102
Term Matl:	BRASS
Plating:	102 – TIN
Dim C:	(3.18) / .125
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Ckts	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number
2	09-48-2022	A-41815-0100	09-48-2025	A-41815-0114	41815-0128	A-41815-0128	09-48-4022	A-41815-0142
3	09-48-2032	A-41815-0101	09-48-2035	A-41815-0115	41815-0129	A-41815-0129	09-48-4032	A-41815-0143
4	09-48-2042	A-41815-0102	09-48-2045	A-41815-0116	41815-0130	A-41815-0130	09-48-4042	A-41815-0144
5	09-48-2052	A-41815-0103	09-48-2055	A-41815-0117	41815-0131	A-41815-0131	09-48-4052	A-41815-0145
6	09-48-2062	A-41815-0104	09-48-2065	A-41815-0118	41815-0132	A-41815-0132	09-48-4062	A-41815-0146
7	09-48-2072	A-41815-0105	09-48-2075	A-41815-0119	41815-0133	A-41815-0133	09-48-4072	A-41815-0147
8	09-48-2082	A-41815-0106	09-48-2085	A-41815-0120	41815-0134	A-41815-0134	09-48-4082	A-41815-0148
9	09-48-2092	A-41815-0107	09-48-2095	A-41815-0121	41815-0135	A-41815-0135	09-48-4092	A-41815-0149
10	09-48-2102	A-41815-0108	09-48-2105	A-41815-0122	41815-0136	A-41815-0136	09-48-4102	A-41815-0150
11	09-48-2112	A-41815-0109	09-48-2115	A-41815-0123	41815-0137	A-41815-0137	09-48-4112	A-41815-0151
12	09-48-2122	A-41815-0110	09-48-2125	A-41815-0124	09-48-1122	A-41815-0138	09-48-4122	A-41815-0152
13	09-48-2132	A-41815-0111	09-48-2135	A-41815-0125	41815-0139	A-41815-0139	09-48-4132	A-41815-0153
14	09-48-2142	A-41815-0112	09-48-2145	A-41815-0126	41815-0140	A-41815-0140	09-48-4142	A-41815-0154
15	09-48-2152	A-41815-0113	09-48-2155	A-41815-0127	41815-0141	A-41815-0141	09-48-4152	A-41815-0155

CUSTOM OPTIONS

REV: AJ1	SEE SHEET ONE UCP2003-2042 SAMIEC 3/27/2002	TITLE: KK 156 HOUSING ASSY PCB 41815 SERIES DWG	SHEET No. - 4 -
DOCUMENT NUMBER: SDA-41815	CREATED / REVISED BY: SAMIEC	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS



KK 156 PCB ASSY 2-15 CKT

41815 SERIES

Assy. Proc:	TOP ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-AA-A2AA-P913B
Term Matl:	BRASS
Plating:	P913 – TIN
Dim C:	(4.80) / .189
Voids:	NONE
Kinks:	YES
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	6298-1-102
Term Matl:	PHOS BRONZE
Plating:	102 – TIN
Dim C:	(4.60) / .160
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2188-1-534
Term Matl:	BRASS
Plating:	534 – GOLD
Dim C:	(3.18) / .125
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	RIGHT ANGLE
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-AA-A1AA-P913B
Term Matl:	BRASS
Plating:	P913 – TIN
Dim C:	(3.68) / .145
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Ckts	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number	Material No	Engineer Number
2	09-48-2024	A-41815-0156	09-48-4021	A-41815-0170	41815-0184	A-41815-0184	09-48-2021	A-41815-0198
3	09-48-2034	A-41815-0157	09-48-4031	A-41815-0171	09-48-5030	A-41815-0185	09-48-2031	A-41815-0199
4	09-48-2044	A-41815-0158	09-48-4041	A-41815-0172	09-48-5040	A-41815-0186	09-48-2041	A-41815-0200
5	09-48-2054	A-41815-0159	09-48-4051	A-41815-0173	09-48-5050	A-41815-0187	09-48-2051	A-41815-0201
6	09-48-2064	A-41815-0160	09-48-4061	A-41815-0174	41815-0188	A-41815-0188	09-48-2061	A-41815-0202
7	09-48-2074	A-41815-0161	09-48-4071	A-41815-0175	41815-0189	A-41815-0189	09-48-2071	A-41815-0203
8	09-48-2084	A-41815-0162	09-48-4081	A-41815-0176	09-48-5090	A-41815-0190	09-48-2081	A-41815-0204
9	09-48-2094	A-41815-0163	09-48-4091	A-41815-0177	41815-0191	A-41815-0191	09-48-2091	A-41815-0205
10	09-48-2104	A-41815-0164	09-48-4101	A-41815-0178	09-48-5100	A-41815-0192	09-48-2101	A-41815-0206
11	09-48-2114	A-41815-0165	09-48-4111	A-41815-0179	41815-0193	A-41815-0193	09-48-2111	A-41815-0207
12	09-48-2124	A-41815-0166	09-48-4121	A-41815-0180	41815-0194	A-41815-0194	09-48-2121	A-41815-0208
13	09-48-2134	A-41815-0167	09-48-4131	A-41815-0181	41815-0195	A-41815-0195	09-48-2131	A-41815-0209
14	09-48-2144	A-41815-0168	09-48-4141	A-41815-0182	41815-0196	A-41815-0196	09-48-2141	A-41815-0210
15	09-48-2154	A-41815-0169	09-48-4151	A-41815-0183	41815-0197	A-41815-0197	09-48-2151	A-41815-0211

REV: AJ1	SEE SHEET ONE UCP2003-2042 SAMIEC 3/27/2002	TITLE: KK 156 HOUSING ASSY PCB 41815 SERIES DWG	SHEET No. - 5 -
DOCUMENT NUMBER: SDA-41815	CREATED / REVISED BY: SAMIEC	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS



KK 156 PCB ASSY 2-15 CKT

41815 SERIES

Assy. Proc:	RIGHT ANGLE
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-AA-A1AA-534B
Term Matl:	BRASS
Plating:	534 – GOLD
Dim C:	(3.68) / .145
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-DN
Options	NO RAMPS
Terminal No:	2188-P913
Term Matl:	BRASS
Plating:	P913 – TIN
Dim C:	(4.06) / .160
Voids:	NONE
Kinks:	NO
Hooks Cut:	YES
Packaging:	PK-41815-001 TRAY

Assy. Proc:	RIGHT ANGLE
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-AA-A1AA-505B
Term Matl:	BRASS
Plating:	505 – GOLD
Dim C:	(3.68) / .145
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	TOP ENTRY
Housing No:	41815-N-DN
Options	NO RAMPS
Terminal No:	2144-AA-A1AA-P913B
Term Matl:	BRASS
Plating:	P913 – TIN
Dim C:	(3.05) / .120
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Ckts

Material No	Engineer Number
09-48-5023	A-41815-0313
09-48-5033	A-41815-0314
09-48-5043	A-41815-0315
09-48-5053	A-41815-0316
09-48-5063	A-41815-0317
09-48-5073	A-41815-0318
09-48-5083	A-41815-0319
09-48-5093	A-41815-0320
09-48-5103	A-41815-0321
09-48-5113	A-41815-0322
09-48-5123	A-41815-0323
09-48-5133	A-41815-0324
09-48-5143	A-41815-0325
09-48-5153	A-41815-0326

Material No	Engineer Number
41815-0327	A-41815-0327
41815-0328	A-41815-0328
41815-0329	A-41815-0329
09-48-2056	A-41815-0330
41815-0331	A-41815-0331
41815-0332	A-41815-0332
09-48-2086	A-41815-0333
41815-0334	A-41815-0334
09-48-2106	A-41815-0335
41815-0336	A-41815-0336
41815-0337	A-41815-0337
41815-0338	A-41815-0338
41815-0339	A-41815-0339
41815-0340	A-41815-0340

Material No	Engineer Number
41815-0341	A-41815-0341
09-48-3037	A-41815-0342
41815-0343	A-41815-0343
41815-0344	A-41815-0344
41815-0345	A-41815-0345
41815-0346	A-41815-0346
41815-0347	A-41815-0347
41815-0348	A-41815-0348
41815-0349	A-41815-0349
41815-0350	A-41815-0350
41815-0351	A-41815-0351
41815-0352	A-41815-0352
41815-0353	A-41815-0353
41815-0354	A-41815-0354

Material No	Engineer Number
41815-0355	A-41815-0355
41815-0356	A-41815-0356
09-48-2047	A-41815-0357
41815-0358	A-41815-0358
41815-0359	A-41815-0359
41815-0360	A-41815-0360
41815-0361	A-41815-0361
41815-0362	A-41815-0362
09-48-2107	A-41815-0363
41815-0364	A-41815-0364
41815-0365	A-41815-0365
41815-0366	A-41815-0366
41815-0367	A-41815-0367
41815-0368	A-41815-0368

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SAMIEC 3/27/2002

TITLE:

**KK 156 HOUSING ASSY PCB
41815 SERIES DWG**

SHEET No.

- 6 -

DOCUMENT NUMBER:

SDA-41815

CREATED / REVISED BY:

SAMIEC

CHECKED BY:

SAMIEC

APPROVED BY:

MARGULIS



KK 156 PCB ASSY 2-15 CKT

41815 SERIES

Assy. Proc:	SIDE ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	4244-A-102A
Term Matl:	PHOS BRONZE
Plating:	102 – TIN
Dim C:	(3.68) / .145
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2188-1-122
Term Matl:	BRASS
Plating:	TIN – 122
Dim C:	(3.18) / .125
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	SIDE ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-AA-A1AA-567B
Term Matl:	BRASS
Plating:	567 – 15 GOLD
Dim C:	(3.68) / .145
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2188-1-567
Term Matl:	BRASS
Plating:	567 – 15 GOLD
Dim C:	(3.18) / .125
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Ckts

Material No	Engineer Number
09-48-1023	A-41815-0369
09-48-1033	A-41815-0370
09-48-1043	A-41815-0371
09-48-1053	A-41815-0372
09-48-1063	A-41815-0373
09-48-1073	A-41815-0374
09-48-1083	A-41815-0375
09-48-1093	A-41815-0376
09-48-1103	A-41815-0377
09-48-1113	A-41815-0378
09-48-1123	A-41815-0379
09-48-1133	A-41815-0380
09-48-1143	A-41815-0381
09-48-1153	A-41815-0382

Material No	Engineer Number
09-48-4025	A-41815-0383
09-48-4035	A-41815-0384
09-48-4045	A-41815-0385
09-48-4055	A-41815-0386
09-48-4065	A-41815-0387
09-48-4075	A-41815-0388
09-48-4085	A-41815-0389
09-48-4095	A-41815-0390
09-48-4105	A-41815-0391
09-48-4115	A-41815-0392
09-48-4125	A-41815-0393
09-48-4135	A-41815-0394
09-48-4145	A-41815-0395
09-48-4155	A-41815-0396

Material No	Engineer Number
09-48-3025	A-41815-0425
09-48-3035	A-41815-0426
09-48-3045	A-41815-0427
09-48-3055	A-41815-0428
09-48-3065	A-41815-0429
09-48-3075	A-41815-0430
09-48-3085	A-41815-0431
09-48-3095	A-41815-0432
09-48-3105	A-41815-0433
09-48-3115	A-41815-0434
09-48-3125	A-41815-0435
09-48-3135	A-41815-0436
09-48-3145	A-41815-0437
09-48-3155	A-41815-0438

Material No	Engineer Number
09-48-3024	A-41815-04
09-48-3034	A-41815-04
09-48-30044	A-41815-04
09-48-3054	A-41815-04
09-48-3064	A-41815-04
09-48-3074	A-41815-04
09-48-3084	A-41815-04
09-48-3094	A-41815-04
09-48-3104	A-41815-04
09-48-3114	A-41815-04
09-48-3124	A-41815-04
09-48-3134	A-41815-04
09-48-3144	A-41815-04
09-48-3154	A-41815-04

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SAMIEC 3/27/2002

TITLE:

**KK 156 HOUSING ASSY PCB
41815 SERIES DWG**

SHEET No.

- 7 -

DOCUMENT NUMBER:

SDA-41815

CREATED / REVISED BY:

SAMIEC

CHECKED BY:

SAMIEC

APPROVED BY:

MARGULIS



KK 156 PCB ASSY 2-15 CKT

41815 SERIES

Assy. Proc:	TOP ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-AA-A1AA-P913B
Term Matl:	BRASS
Plating:	P913 – TIN
Dim C:	(3.05) / .120
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	TOP ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-AA-A1AA-567B
Term Matl:	BRASS
Plating:	567 – 15 GOLD
Dim C:	(3.05) / .120
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	RIGHT ANGLE
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-BA-A1AA-P913B
Term Matl:	PHOS BRONZE
Plating:	P913 – TIN
Dim C:	(3.68) / .145
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	6298-1-P913
Term Matl:	PHOS BRONZE
Plating:	P913 – TIN
Dim C:	(3.18) / .125
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Ckts

Material No	Engineer Number
09-48-2023	A-41815-0453
09-48-2033	A-41815-0454
09-48-2043	A-41815-0455
09-48-2053	A-41815-0456
09-48-2063	A-41815-0457
09-48-2073	A-41815-0458
09-48-2083	A-41815-0459
09-48-2093	A-41815-0460
09-48-2103	A-41815-0461
09-48-2113	A-41815-0462
09-48-2123	A-41815-0463
09-48-2133	A-41815-0464
09-48-2143	A-41815-0465
09-48-2153	A-41815-0466

Material No	Engineer Number
09-48-3026	A-41815-0467
09-48-3036	A-41815-0468
09-48-3046	A-41815-0469
09-48-3056	A-41815-0470
09-48-3066	A-41815-0471
09-48-3076	A-41815-0472
09-48-3086	A-41815-0473
09-48-3096	A-41815-0474
09-48-3106	A-41815-0475
09-48-3116	A-41815-0476
09-48-3126	A-41815-0477
09-48-3136	A-41815-0478
09-48-3146	A-41815-0479
09-48-3156	A-41815-0480

Material No	Engineer Number
09-48-2020	A-41815-0481
09-48-2030	A-41815-0482
09-48-2040	A-41815-0483
09-48-2050	A-41815-0484
09-48-2060	A-41815-0485
09-48-2070	A-41815-0486
09-48-2080	A-41815-0487
09-48-2090	A-41815-0488
09-48-2100	A-41815-0489
09-48-2110	A-41815-0490
09-48-2120	A-41815-0491
09-48-2130	A-41815-0492
09-48-2140	A-41815-0493
09-48-2150	A-41815-0494

Material No	Engineer Number
09-48-2029	A-41815-0495
09-48-2039	A-41815-0496
09-48-2049	A-41815-0497
09-48-2059	A-41815-0498
09-48-2069	A-41815-0499
09-48-2079	A-41815-0500
09-48-2089	A-41815-0501
09-48-2099	A-41815-0502
09-48-2109	A-41815-0503
09-48-2119	A-41815-0504
09-48-2129	A-41815-0505
09-48-2139	A-41815-0506
09-48-2149	A-41815-0507
09-48-2159	A-41815-0508

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SAMIEC 3/27/2002

TITLE:

**KK 156 HOUSING ASSY PCB
41815 SERIES DWG**

SHEET No.

- 8 -

DOCUMENT NUMBER:

SDA-41815

CREATED / REVISED BY:

SAMIEC

CHECKED BY:

SAMIEC

APPROVED BY:

MARGULIS



KK 156 PCB ASSY 2-15 CKT

41815 SERIES

Assy. Proc:	TOP ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-BA-A1AA-P913B
Term Matl:	PHOS BRONZE
Plating:	P913 – TIN
Dim C:	(3.05) / .120
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	TOP ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-BA-A1AA-102B
Term Matl:	PHOS BRONZE
Plating:	102 – TIN
Dim C:	(3.05) / .120
Voids:	NONE
Kinks:	NO
Hooks Cut:	YES
Packaging:	PK-41815-001 TRAY

Assy. Proc:	TOP ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2144-BA-A1AA-567B
Term Matl:	PHOS BRONZE
Plating:	567 – 15 GOLD
Dim C:	(3.05) / .120
Voids:	NONE
Kinks:	NO
Hooks Cut:	YES
Packaging:	PK-41815-001 TRAY

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-AN
Options	WITH RAMP
Terminal No:	2188-1-567
Term Matl:	BRASS
Plating:	567 – 15 GOLD
Dim C:	(3.18) / .125
Voids:	TERMINAL VOID 2
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Ckts

Material No	Engineer Number
09-48-2028	A-41815-0509
09-48-2038	A-41815-0510
09-48-2048	A-41815-0511
09-48-2058	A-41815-0512
09-48-2068	A-41815-0513
09-48-2078	A-41815-0514
09-48-2088	A-41815-0515
09-48-2098	A-41815-0516
09-48-2108	A-41815-0517
09-48-2118	A-41815-0518
09-48-2128	A-41815-0519
09-48-2138	A-41815-0520
09-48-2148	A-41815-0521
09-48-2158	A-41815-0522

Material No	Engineer Number
09-48-5028	A-41815-0523
09-48-5038	A-41815-0524
09-48-5048	A-41815-0525
09-48-5058	A-41815-0526
09-48-5068	A-41815-0527
09-48-5078	A-41815-0528
09-48-5088	A-41815-0529
09-48-5098	A-41815-0530
09-48-5108	A-41815-0531
09-48-5118	A-41815-0532
09-48-5128	A-41815-0533
09-48-5138	A-41815-0534
09-48-5148	A-41815-0535
09-48-5158	A-41815-0536

Material No	Engineer Number
09-48-1025	A-41815-0537
09-48-1035	A-41815-0538
09-48-1045	A-41815-0539
09-48-1055	A-41815-0540
09-48-1065	A-41815-0541
09-48-1075	A-41815-0542
09-48-1085	A-41815-0543
09-48-1095	A-41815-0544
09-48-1105	A-41815-0545
09-48-1115	A-41815-0546
09-48-1125	A-41815-0547
09-48-1135	A-41815-0548
09-48-1145	A-41815-0549
09-48-1155	A-41815-0550

Material No	Engineer Number
41815-0551	41815-0551
41815-0552	41815-0552
41815-0553	41815-0553
41815-0554	41815-0554
41815-0555	41815-0555
41815-0556	41815-0556
41815-0557	41815-0557
41815-0558	41815-0558
41815-0559	41815-0559
41815-0560	41815-0560
41815-0561	41815-0561
41815-0562	41815-0562
41815-0563	41815-0563

REV:

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UCP2003-2042

SAMIEC 3/27/2002

TITLE:

**KK 156 HOUSING ASSY PCB
41815 SERIES DWG**

SHEET No.

- 9 -

DOCUMENT NUMBER:

SDA-41815

CREATED / REVISED BY:

SAMIEC

CHECKED BY:

SAMIEC

APPROVED BY:

MARGULIS



KK 156 PCB ASSY 2-15 CKT

41815 SERIES

Assy. Proc:	BOTTOM ENTRY
Housing No:	41815-N-DN
Options	WITHOUT RAMPS
Terminal No:	6298-1-102
Term Matl:	PHOS BRONZE
Plating:	102 TIN
Dim C:	3.18 / .125
Voids:	NONE
Kinks:	NO
Hooks Cut:	NO
Packaging:	PK-41815-001 TRAY

Assy. Proc:	
Housing No:	
Options	
Terminal No:	
Term Matl:	
Plating:	
Dim C:	
Voids:	
Kinks:	
Hooks Cut:	
Packaging:	PK-41815-001 TRAY

Assy. Proc:	
Housing No:	
Options	
Terminal No:	
Term Matl:	
Plating:	
Dim C:	
Voids:	
Kinks:	
Hooks Cut:	
Packaging:	PK-41815-001 TRAY

Assy. Proc:	
Housing No:	
Options	
Terminal No:	
Term Matl:	
Plating:	
Dim C:	
Voids:	
Kinks:	
Hooks Cut:	
Packaging:	PK-41815-001 TRAY

Ckts

Material No	Engineer Number
41815-0564	A-41815-0564
41815-0565	A-41815-0565
41815-0566	A-41815-0566
41815-0567	A-41815-0567
41815-0568	A-41815-0568
41815-0569	A-41815-0569
41815-0570	A-41815-0570
41815-0571	A-41815-0571
41815-0572	A-41815-0572
41815-0573	A-41815-0573
41815-0574	A-41815-0574
41815-0575	A-41815-0575
41815-0576	A-41815-0576
41815-0577	A-41815-0577

Material No	Engineer Number

Material No	Engineer Number

Material No	Engineer Number

REV:

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UCP2003-2042

SAMIEC 3/27/2002

TITLE:

**KK 156 HOUSING ASSY PCB
41815 SERIES DWG**

SHEET No.

- 10 -

DOCUMENT NUMBER:

SDA-41815

CREATED / REVISED BY:

SAMIEC

CHECKED BY:

SAMIEC

APPROVED BY:

MARGULIS