SCM SERIES, ANGLED WIRE ENTRY
PART NUMBERING SCHEME

SCM

REV	ECN	APP'D
A	4060	IQ 8/29/00
B	4241	IQ 1/2/01
C	4631	IQ 10/26/01
D	4781	IQ 3/7/02
E	4929	IQ 8/8/02
F	5742	RN 12/28/05

NUMBER OF
POSITIONS

ORIENTATION &
NUMBER OF PINS
2 = 1 PIN ANGLED
3 = 2 PIN ANGLED

CONTACT SPACING
0 = .200"
1 = 5MM

COLOR
0 = BLACK
G = GREEN
R = RED
C = CREME

SPECIAL MARKINGS
0 = STANDARD
M = LT TO RT HORIZ.
A = RT TO LT HORIZ.

L = ACTUATING LEVER
N = W/O ENDCAP
    (FOR POST-PURCHASE ASSEMBLY)
LN = ACTUATING LEVER W/O ENDCAP
BLANK = STANDARD

PERIMETER INDICATES
CONTACT SPACING

.200"   5MM
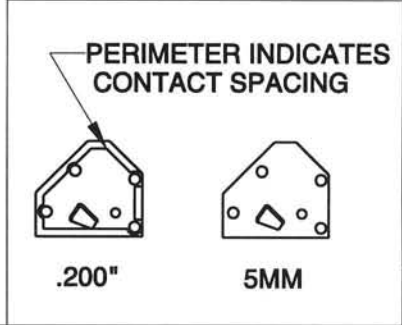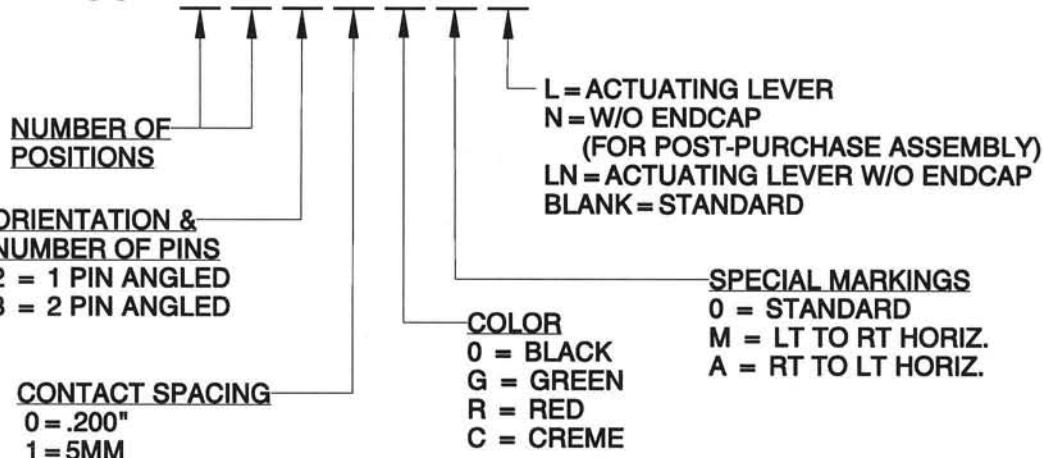
RATINGS

CURRENT - 20A
VOLTAGE - 300V
U.L. FILE NO. E83421

RATINGS

CURRENT - 20A
VOLTAGE - 300 V
CSA FILE NO. LR69703

DIN VDE 0627:1986
DIN VDE 0110-1:1989
EN 60947-1:1991
EN 60947-7-1:1992

CURRENT - 20A
VOLTAGE - 300 V
TUV FILE NO. 20396

MATERIALS:
HOUSING / LEVER - NYLON, UL 94 V-0
SPRING CLAMP - STAINLESS STEEL
CONTACT - BRASS, TIN FINISH

INSTALLATION RECOMMENDATIONS:
WIRE RANGE - #12-28 AWG, SOLID OR STRANDED
WIRE STRIP LENGTH - .220

MAX OPERATING TEMP: 125° C

PART WITHSTANDS COMPONENT EQUILIBRIUM
TEMP. OF 260° C FOR 3 MINUTES DURING
SOLDERING PROCESS.

PRINTED CIRCUIT BOARD CONFIGURATION
RECOMMENDED THICKNESS: .062±.008
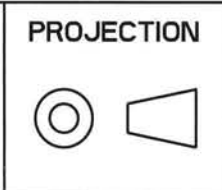NOTE: ONLY ONE ROW NEEDED FOR 1 PIN CONNECTORS

.197   CONTACT SPACING, TYP

∅ .047 TYP
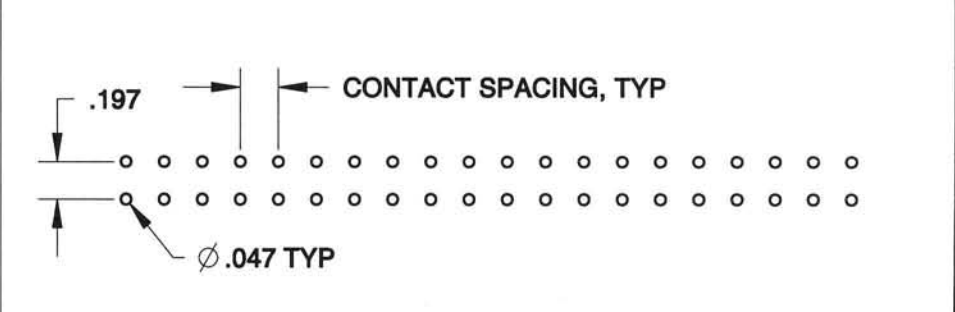
DIMENSIONS	TOLERANCES	PROJECTION
ANSI Y14.5M	.XX ±0.01	
UNITS: INCHES	.XXX ±0.002	
Pro/E FILE	ANGLES ±2.0°	

Amphenol Pcd

ENGR
A. PATRIE   06-20-00

CHKD
I. QUINN   6/27/00

APPD
J. CAHALY   7/10/00

TITLE
SCM SERIES
TERMINAL BLOCK ASSEMBLY
ANGLED WIRE ENTRY

SIZE	DWG NO.		REV
A	SCM012000		F
CODE: 58982	SCALE: NONE	SHEET 1 OF 2	

.555

.500

.155

.195

.197

PIN REMOVED FOR
1 PIN CONNECTOR

L

.147

.028 TYP

CONTACT SPACING, TYP

STANDARD

.555

.223

.500

.155

.195

.197

PIN REMOVED FOR
1 PIN CONNECTOR

L

.147

.028 TYP
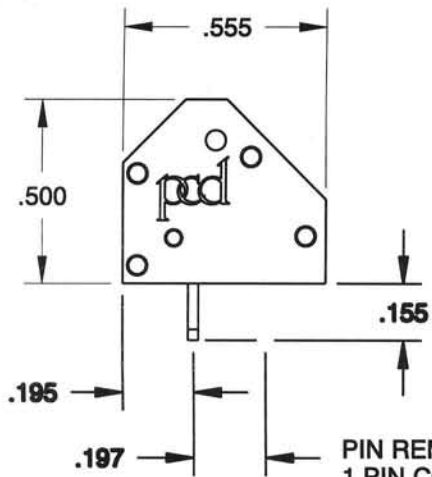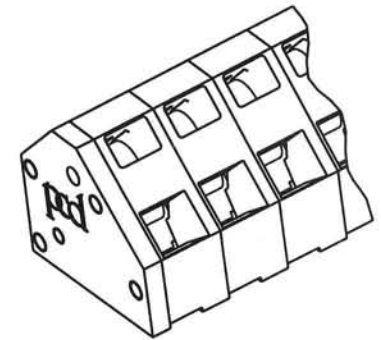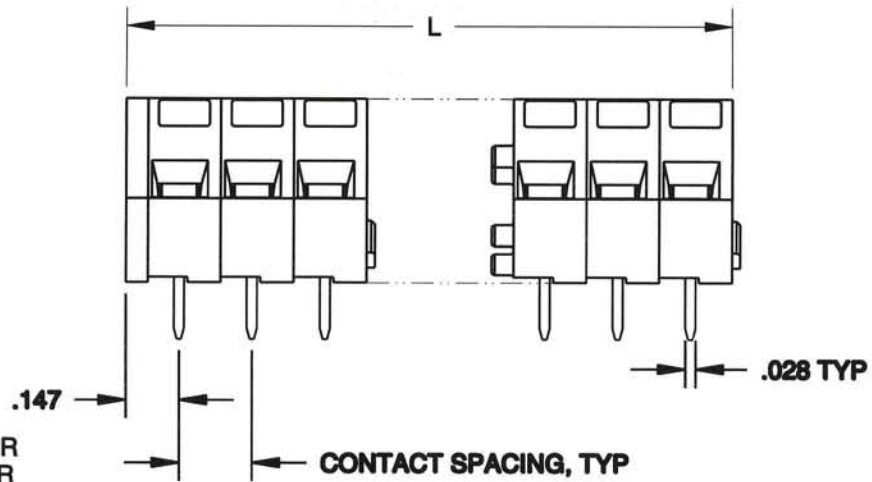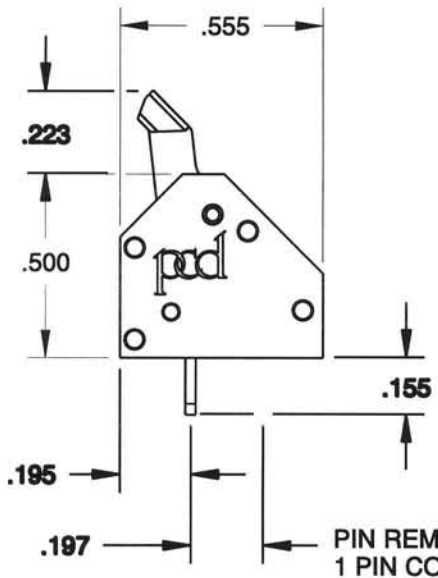
CONTACT SPACING, TYP
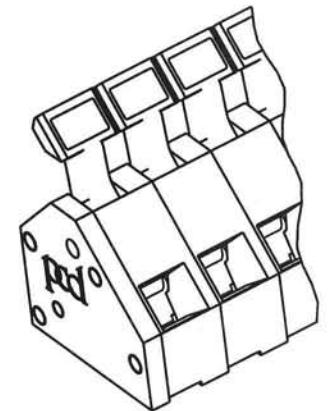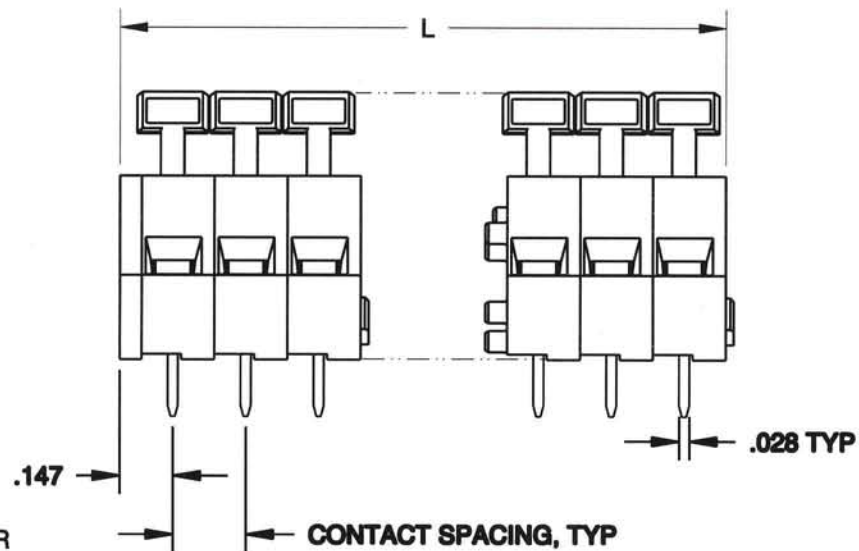
ACTUATING LEVER

L = NUMBER OF POS. X CONTACT SPACING + .060
TYPICAL ALL CONFIGURATIONS

SIZE	DWG NO.		REV
A		SCM012000	F
CODE: 58982	SCALE: NONE	SHEET 2 OF 2	

5.0mm (.197") SCM Wire -to- Board

SCM angled

.555
.500
.155
.195
.147
.197
.197
[5.0mm]
WITHOUT LEVER

.555
.245
.500
.155
.195
.147
.197
.197
[5.0mm]
LEVER
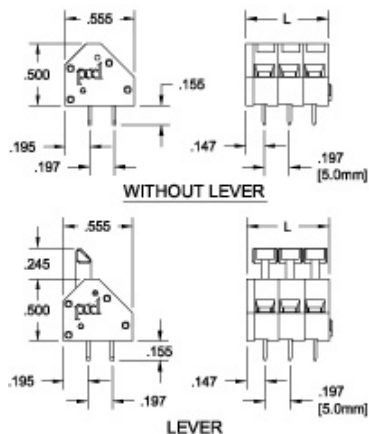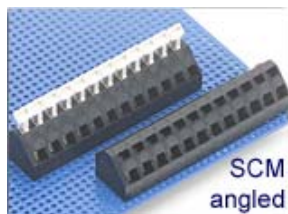
Download part PDF File

Download part DXF File

Pos	Catalog # w/o Lever	Catalog # Lever	L (mm)
2	SCM023100	SCM023100L	11.5
3	SCM033100	SCM033100L	16.5
4	SCM043100	SCM043100L	21.5
5	SCM053100	SCM053100L	26.5
6	SCM063100	SCM063100L	31.5
7	SCM073100	SCM073100L	36.5
8	SCM083100	SCM083100L	41.5
9	SCM093100	SCM093100L	46.5
10	SCM103100	SCM103100L	51.5
11	SCM113100	SCM113100L	56.5
12	SCM123100	SCM123100L	61.5
13	SCM133100	SCM133100L	66.5
14	SCM143100	SCM143100L	71.5
15	SCM153100	SCM153100L	76.5
16	SCM163100	SCM163100L	81.5
17	SCM173100	SCM173100L	86.5
18	SCM183100	SCM183100L	91.5
19	SCM193100	SCM193100L	96.5
20	SCM203100	SCM203100L	101.5

Variations **Marking**

Product Line Overview

SCM 5.0mm spring clamp terminal blocks are rated at 20A/300V—the highest in the industry—and are supplied in horizontal, angled and vertical configurations.

Two Modes of Operation
Individual spring contact clamps are depressed to insert or remove wires by either actuating a finger lever or inserting a flat-bladed screwdriver in an actuation slot on the block.

SMT Compatibility
The SCM is the only spring clamp terminal block available which is suitable for SMT reflow solder PCB manufacturing processes as well as wave solder; providing users with additional flexibility and maximizing production efficiencies by eliminating secondary solder operations. Blocks are molded of ultra-high-temperature, glass-filled polyamide that will withstand temperatures of 260°C during PCB production.

SPECIFICATIONS:
Current Rating: 20A
Operating Voltage: 300V
Insulation Resistance: >103 Megohms
Dielectric Withstanding: <1600V
Wire Pullout Force:
Per UL 486E, Section 14

MATERIALS:
Housing/Lever: PA, UL 94V-0, black
Contact: Brass, tin-lead finish
Spring Clamp: Stainless steel

INSTALLATION:
Wire Range: 12-28 AWG
Wire Strip Length: .220"
Hole Diameter: .047 min.

APPROVALS:
TÜV

Consult factory for specific product recognitions

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