



# 2mm BOX SOCKET MMS SERIES

## SPECIFICATIONS

For complete specifications see [www.samtec.com?MMS](http://www.samtec.com?MMS)

**Insulator Material:** Black LCP  
**Contact Material:** Phosphor Bronze  
**Plating:** Sn or Au over 50µ" (1,27µm) Ni

**Operating Temp Range:** -55°C to +125°C with Gold  
 -55°C to +105°C with Tin

**Contact Resistance:** 10 mΩ max

**Current Rating:** 2A @ 80°C ambient

**Insertion Depth:** DH = (2,13mm) .084" to (2,79mm) .110", SH = (2,13mm) .084" minimum or pass-through

Top Entry DV/SV = (2,13mm) .084" to (4,32mm) .170"  
 Bottom Entry DV/SV = (4,27) .168" minimum (Plus board)

**Insertion Force:** (Single contact only) 3.7oz (1,03N) avg.

**Withdrawal Force:** (Single contact only) 2.2oz (0,61N) avg.

**RoHS Compliant:** Yes

**Processing:** Max Processing Temp: 230°C for 60 seconds

**Lead-Free Solderable:** Wave only. Call Samtec for reflow compatible options

**SMT Lead Coplanarity:** (0,15mm) .006" max

**MMS** - **1** **NO. PINS PER ROW** - **01** **PLATING OPTION** - **ROW OPTION** - **OTHER OPTION**

**Mates with:** TMMH, TMM, MTMM, MMT, TW, LTMM, ZLTMM, TCMD

**02 thru 40**

**-L** = 10µ" (0,25µm) Gold contact, Matte Tin on tail  
**-T** = Matte Tin

**-SV** = Single Vertical  
**-SH** = Single Horizontal  
**-DV** = Double Vertical  
**-DH** = Double Horizontal

**-“XX”** = Polarized Position

Row Option	X
-SH & -SV	(0,254) .010
-DH & -DV	(0,559) .022

**APPLICATION SPECIFIC OPTIONS**

Alignment Pin (-DV only), Locking clips and Through-hole pass-through options available. Call Samtec.

**MMS** - **1** **NO. PINS PER ROW** - **02** **PLATING OPTION** - **ROW OPTION** - **OTHER OPTION**

**02 thru 40**

**-L** = 10µ" (0,25µm) Gold contact, Matte Tin on tail  
**-T** = Matte Tin

**-SV** = Single Vertical  
**-SH** = Single Horizontal  
**-DV** = Double Vertical  
**-DH** = Double Horizontal

**-“XX”** = Polarized Position  
**-K** = (5,50mm) .217" DIA Polyimide Film Pick & Place Pad (-SV & -DV only) (-SV = 3 pos. min.) (-DV = 4 pos. min.)  
**-M** = Metal Pick & Place Pad (4 positions min.) (-DV only)  
**-P** = Plastic Pick & Place Pad (4 pos. min., -SV only) (5 pos. min., -DV only)  
**-TR** = Tape & Reel Packaging

Row Option	X
-SH & -SV	(0,254) .010
-DH & -DV	(0,559) .022

**Note:** Some lengths, styles and options are non-standard, non-returnable.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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