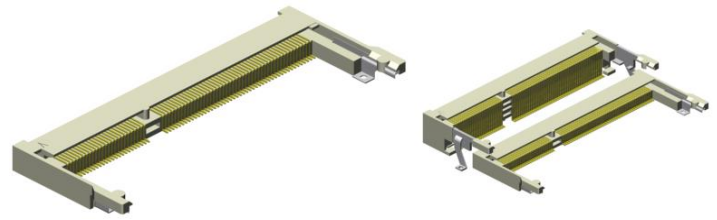


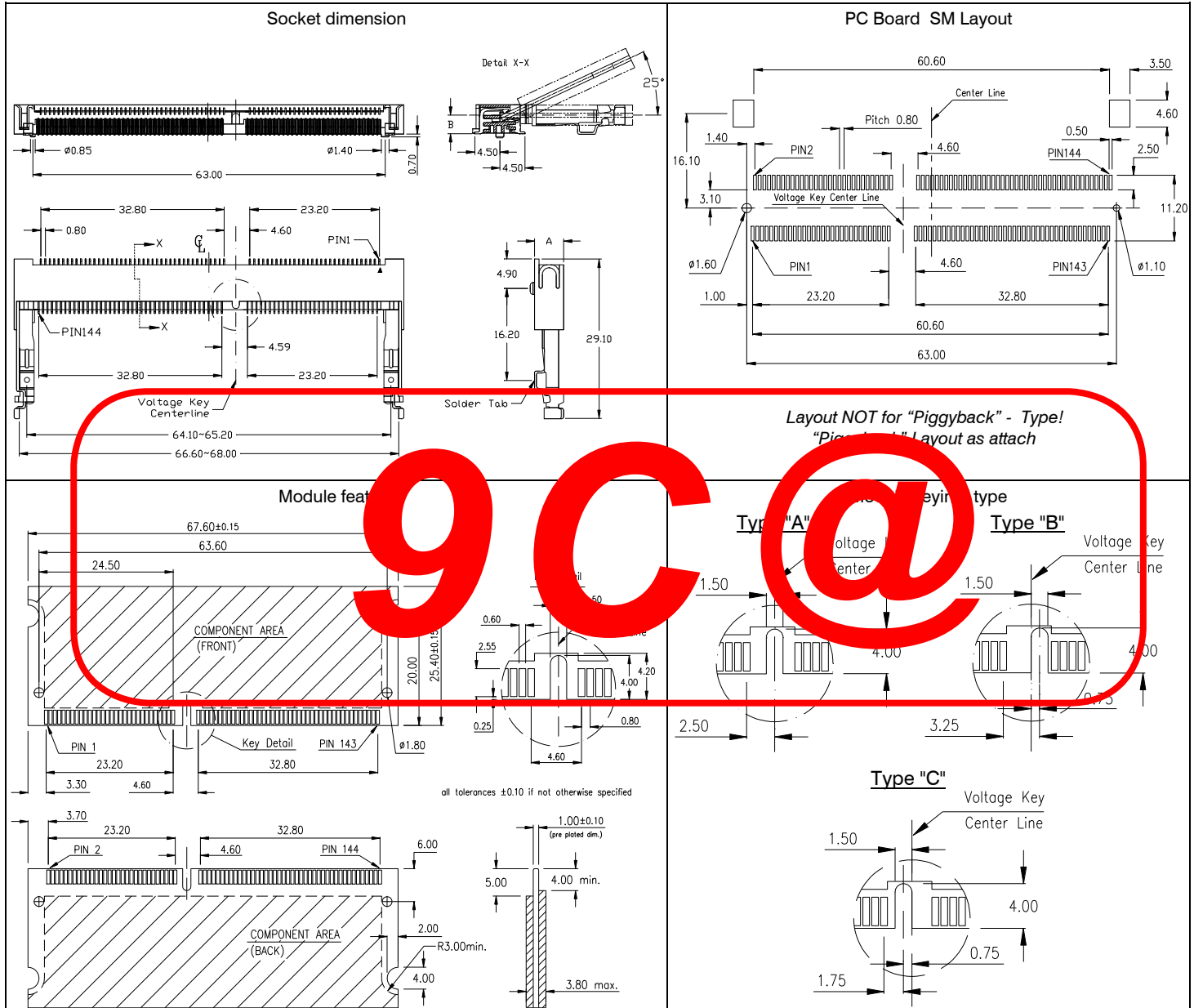
# DMD - Series SO - DIMM Sockets for 144-pin DRAM module



SO-DIMM sockets for **DRAM's** are made of hi-temp resistant plastic.  
Available in three different PC-board distances, also as "Piggyback".  
Insertion & extraction of the module can be made without any tools.  
Positive polarization prevents wrong insertion of the module.  
Contacts are designed with an anti-overstress feature for long contact life.



Piggyback application



Specification	
Current rating	0.3 A
Voltage rating	25 V AC
Insulation resistance	250 MΩ min. (initial) 50 MΩ max. (final)
Contact resistance	35 mΩ max.
Operating temperature	-55°C to +85°C min.
Processing temperature	+250°C 0/-5° for 20~40 sec.
Insulator	(RoHS compliant) high temp plastic (ivory) UL 94 V-0
Contact	(RoHS compliant) Phosphor bronze
Plating	(RoHS compliant) Au over Ni
Lifetime	25 cycles min.
Latch	(RoHS compliant) Stainless Steel, Ni (leadfree) plated

Pin	DRAM Socket Type	Dimension		Ordering Code		
		"A"	"B"	3.3 Volt Key Type "A"	x.x Volt Key Type "B"	5.0 Volt Key Type "C"
144 pin	"Standard" - Profile	5.20 mm	3.30 mm	<b>DMD - 144 - RSA9 - 55</b>		<i>available on request</i>
144 pin	"Piggyback" - Profile <i>Use as Piggyback together with "Standard"-Profile "A" = 5.20 mm height</i>	9.20 mm	7.30 mm	<i>available on request</i>		
144 pin	"Tower" - Profile	9.90 mm	8.00 mm	<i>available on request</i>		

REV.	LOCAS.	DESCRIPTION	DATE	DRAWN
A		NEW	18.05.2009	Ronny
B		Spec. & Plating Sn/Au -> Au flash	03.08.2009	Ronny
C		design update; w/o solder pegs	20.07.2012	Ronny

**Order Code**  
**DMD-144-RSA9-55**



**Specifications**

Current rating: 0.3A  
 Insulation resistance: 250MΩ min. (initial)  
 50MΩ max. (final)  
 Voltage rating: 25V AC  
 Withstanding voltage: 250V AC for 1 Minute  
 Contact resistance: 35mΩ max.

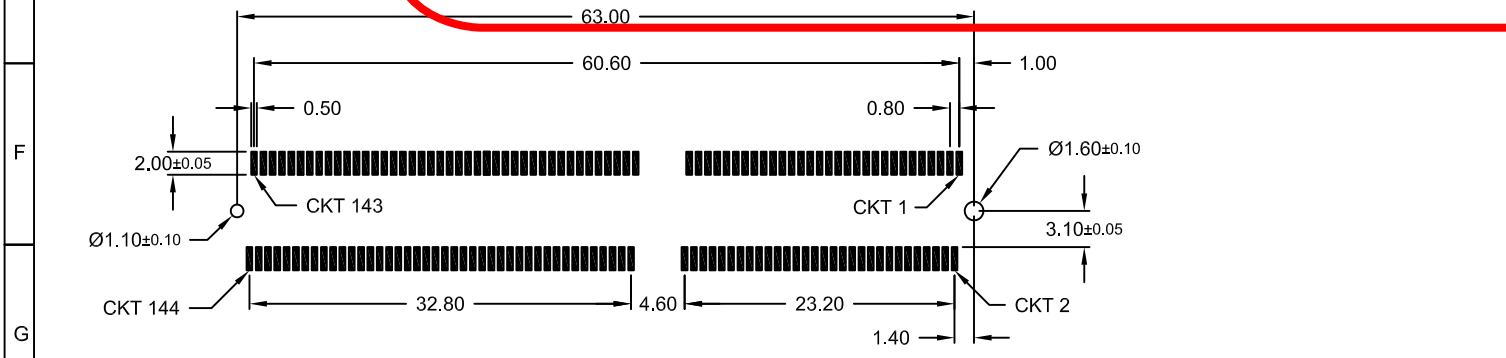
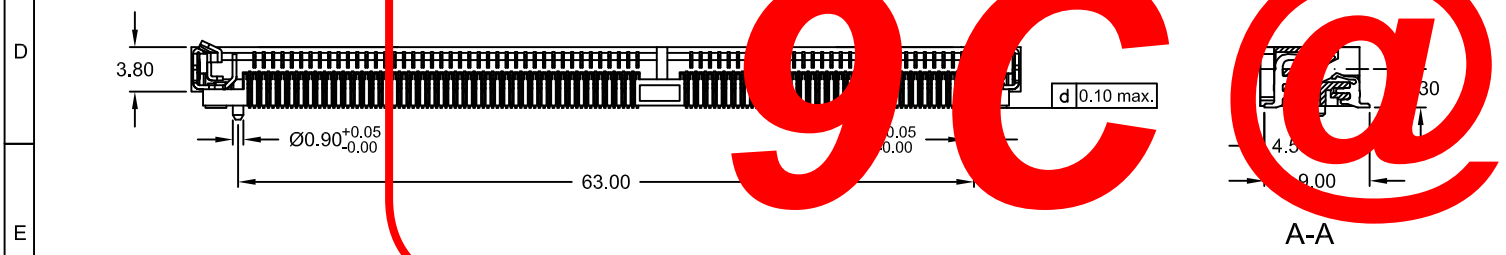
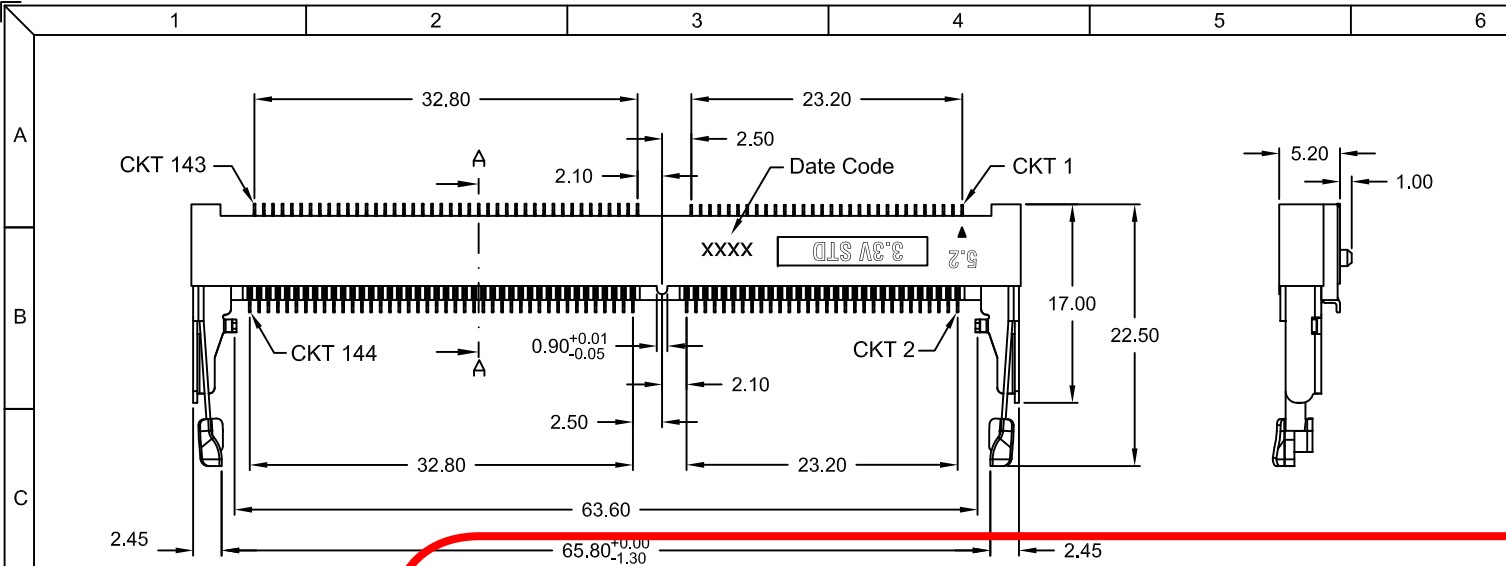
**Materials**

Contact: Copper Alloy  
 Plating: Au flash over Ni  
 Insulator: LCP UL 94V-0 (Black)

Operating temperature: -55°C to +85°C  
 Processing temperature: +250°C +0/-5°C  
 for 20~30 seconds

Lifetime: 25 cycles min.

Packing: Tray



Recommended PCB Layout  
(Top View)

**9C@**

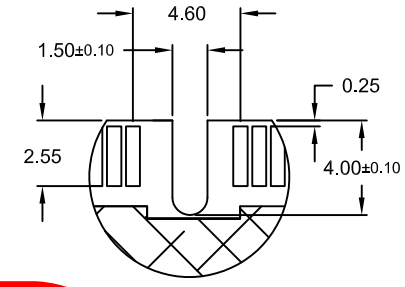
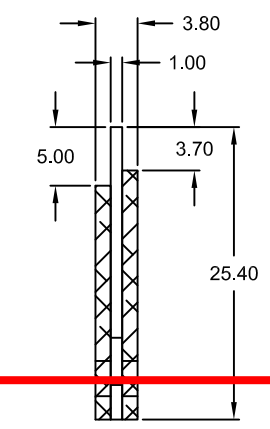
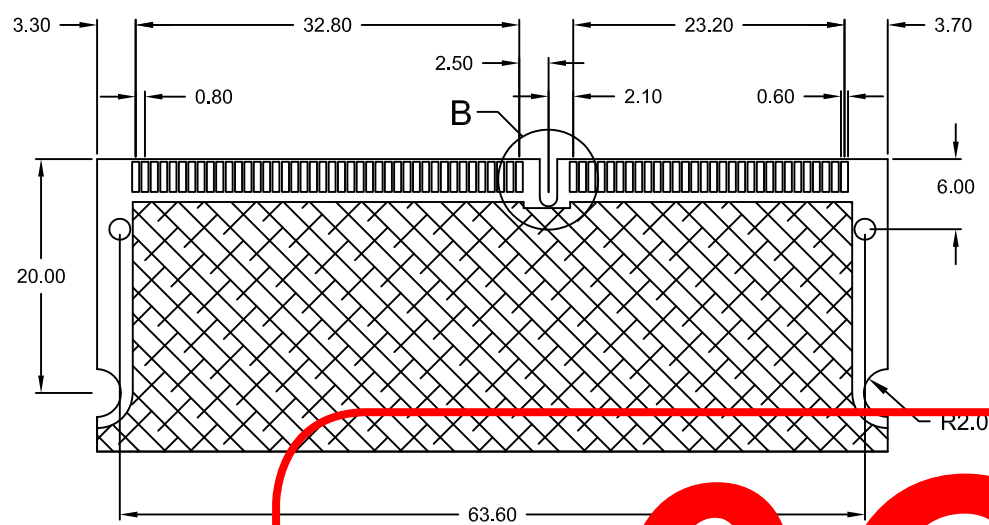
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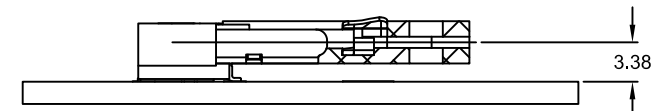
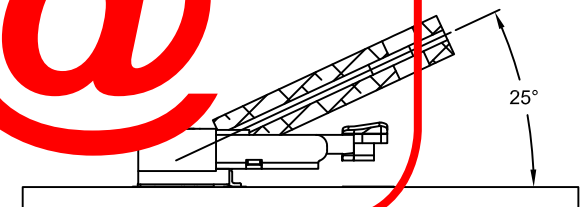
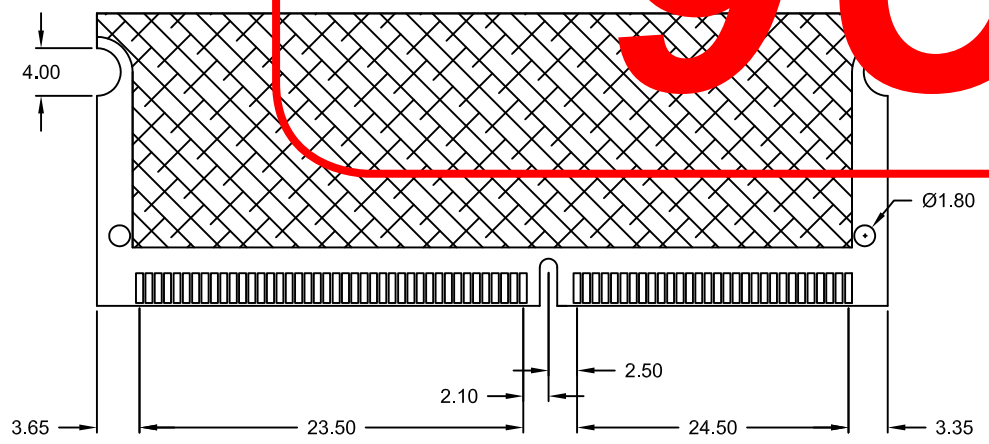
UNIT	GENERAL TOLERANCE		DRAWN	DATE	DWG. NO.	SHEET 1/2
mm	X.° ±	X. ±	Daniel	30.03.2009	DMD-RSA9	REV. C
SCALE	.X° ±	.X ± 0.25	CHECK	DATE	SERIES NO.	
Free	.XX° ±	.XX ± 0.15	Ronny	20.07.2012	DMD-144-RXX9-xx	
	ANG. ± 3°	.XXX ±	APPROVE	DATE		
			Hogi	20.07.2012		

**SO-DIMM Socket**  
 144 Contact 3.3V Type  
 5.20mm height  
**"standard type"**

REV.	LOCAS.	DESCRIPTION	DATE	DRAWN
A		NEW	18.05.2009	Ronny
B		design update	20.07.2012	Ronny



Detail B



9C@

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UNIT mm	GENERAL TOLERANCE		DRAWN Daniel	DATE 30.03.2009	DWG. NO. DMD-RSA9	SHEET 2/2	
	X.° ±	X. ±					
	SCALE Free	.X° ±	.X ± 0.25	CHECK Ronny	DATE 20.07.2012	SERIES NO. DMD-144-RXX9-xx	REV. B
	APPROVE Hogi	.XX° ±	.XX ± 0.15	DATE 20.07.2012			
ANG. ± 3°	.XXX ±						

**SO-DIMM Socket**  
for **"standard type"** Socket  
DMD-144-RSA9-55