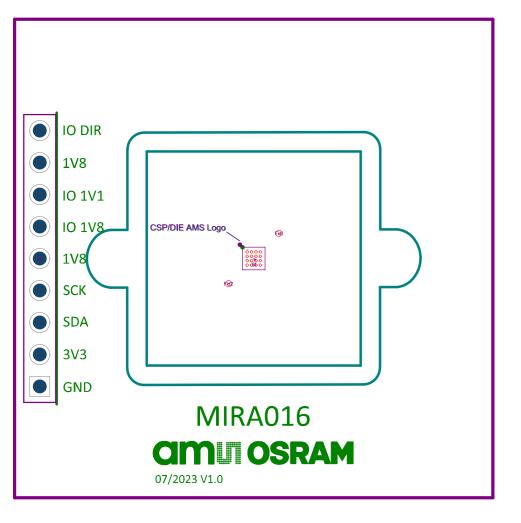
Layer	Name	Material	Thickness	Board Layer Stack
	Top Overlay			
	Top Solder	WE-SM-0001	0.015mm	
1	Top Side	WE-ED-0008	0.030mm	
	Dielectric 1	ME-PP-0003	0.065mm	
2	Inner Layer 1	WE-ED-0004	0.035mm	
	Core 1	WE-CO-0017	0.930mm	
3	Inner Layer 2	WE-ED-0004	0.035mm	
	Dielectric 2	ME-PP-0003	0.065mm	
4	Bottom Side	WE-ED-0008	0.030mm	
	Bottom Solder	WE-SM-0001	0.015mm	
	Bottom Overlay			
			<u> </u>	

Total board thickness:

1.220mm



# SPECIFICATIONS

```
#FINISHED BOARD TOTAL THICKNESS IS 1.2MM (1.0 to 1.6 acceptable)

#stackup based on
Würth HDI4_1-2-1_1,22_35_V2.12
https://www.we-online.com/files/pdf1/hdi4_1-2-1_122_35_v2.12.pdf
# outer copper thickness 17u acceptable for small BGA pads

# ATTENTION 0.35mm BGA on TOP
# board manufacturer may adjust pad size and solder mask, as long as solder mask remains between pads

# MATCHED IMPEDANCE:
100R +/- 20% DIFF IMPEDANCE, tracks on bottom layer

# SILKSCREEN COLOR: WHITE (Yellow acceptable)
# SOLDER MASK COLOR: BLACK / DARK BLUE (do not sacrifice solder mask precision for color, feedback if needed)
# BOARD FINISH: ENIG / ENEPIG
```

Stack	Board Layer	Thickness	Material	Name	Layer		
				Top Overlay			
		0.015mm	WE-SM-0001	Top Solder			
		0.030mm	WE-ED-0008	Top Side	1		
		0.065mm	WE-PP-0003	Dielectric 1			
		0.035mm	WE-ED-0004	Inner Layer 1	2		
		0.930mm	WE-C0-0017	Core 1			
		0.035mm	WE-ED-0004	Inner Layer 2	3		
		0.065mm	WE-PP-0003	Dielectric 2			
		0.030mm	WE-ED-0008	Bottom Side	4		
		0.015mm	WE-SM-0001	Bottom Solder			
				Bottom Overlay			
		000		1 1 1			

Total board thickness:

1.220mm

## SPECIFICATIONS

# FINISHED BOARD TOTAL THICKNESS IS 1.2MM (1.0 to 1.6 acceptable)

#stackup based on

Würth HDI4\_1-2-1\_1,22\_35\_V2.12 https://www.we-online.com/files/pdf1/hdi4\_1-2-1\_122\_35\_v2.12.pdf # outer copper thickness 17u acceptable for small BGA pads

# ATTENTION 0.35mm BGA on TOP # board mask, as long as solder mask remains between pads # board manufacturer may adjust pad size and solder mask, as long as solder mask remains between pads

# MATCHED IMPEDANCE: 100R +/- 20% DIFF IMPEDANCE, tracks on bottom layer

### # SILKSCREEN COLOR: WHITE (Yellow acceptable)

# SOLDER MASK COLOR: BLACK / DARK BLUE (do not sacrifice solder mask precision for color, feedback if needed)

# BOARD FINISH: ENIG / ENEPIG