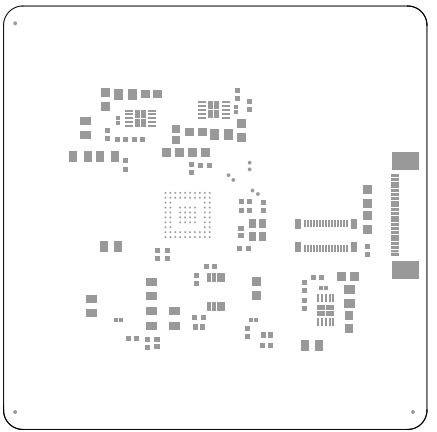
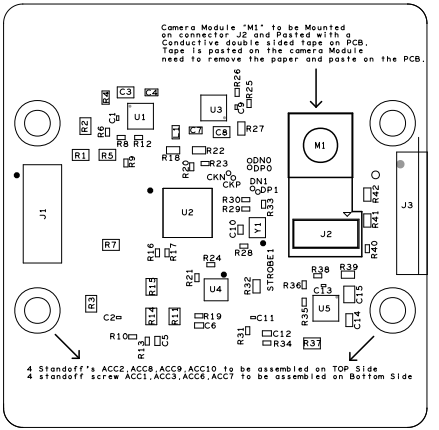


SAN JOSE, CA 95134 (408) 943-2600	PROJECT: DEMO_FX3_U3V_CAM01 ADD-ON BOARD		
	DRAWN BY: HUSA		
	LAYER: BOTTOM PASTE		
	DWG NO: 620-60626-01	REV: 01	DATE: 14/11/22



SAN JOSE, CA 95134 (408) 943-2600	PROJECT: DEMO_FX3_U3V_CAM01 ADD-ON BOARD		
	DRAWN BY: HUSA		
	LAYER: TOP PASTE		
	DWG NO: 620-60626-01	REV: 01	DATE: 14/11/22



SAN JOSE, CA 95134 (408) 943-2600	PROJECT: DEMO_FX3_U3V_CAM01 ADD-ON BOARD		
	DRAWN BY: HUSA		
	LAYER: ASSEMBLY TOP		
	DWG NO: 620-60626-01	REV: 01	DATE: 14/11/22

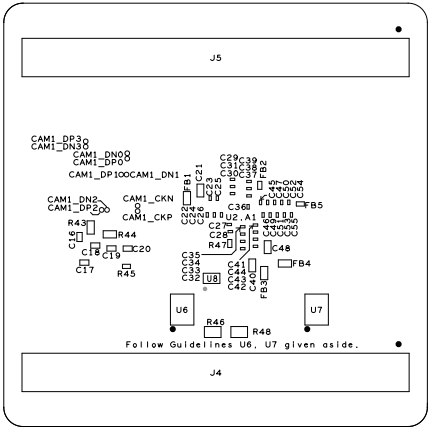
MEMS Microphone assembly recommendations

Microphone unpacking and soldering:

1. Microphones only removed from packing immediately before soldering
2. Only reflow soldering used, no vapour-phase soldering
3. PCBs / flexes should be cleaned and optically before microphone component placement
4. Microphone should not be mechanically stressed during placement
5. Microphone only added in last reflow cycle
6. Microphone soundport should be open during soldering
7. Microphone soundport covered immediately after soldering with protection film
8. Do not place any items such as tweezers into the microphone soundport

PCB handling and transportation:

1. Microphone soundport covered during PCB sawing
2. No cleaning with solvents
3. PCB can be air cleaned only when the microphone acoustic port is completely protected/sealed with protective film
4. ESD protection used during handling
5. Microphone transported and handled with soundport facing down
6. Microphone soundport must be uncovered for testing
7. Microphone soundport must be recovered with clean, new protective film after testing
8. Protective film must never be reused after removal from PCB
9. Microphones not exposed to vacuum
10. Packing area cleaned regularly
11. Clean, new, ESD protected materials used for packing and shipping
12. No Pressurized AIR
13. No Liquid Wash
14. No Contamination
15. Do not use Vacuum Tool
16. No Insertion of Objects to sound port
17. Do not stress the Micro phones.



Infineon SAN JOSE, CA 95134 (408) 943-2600	PROJECT: DEMO_FX3_U3V_CAM01 ADD-ON BOARD	
	DRAWN BY: HUSA	
	LAYER: ASSEMBLY BOTTOM	
	DWG NO: 620-6062G-01	REV: 01 DATE: 14\11\22