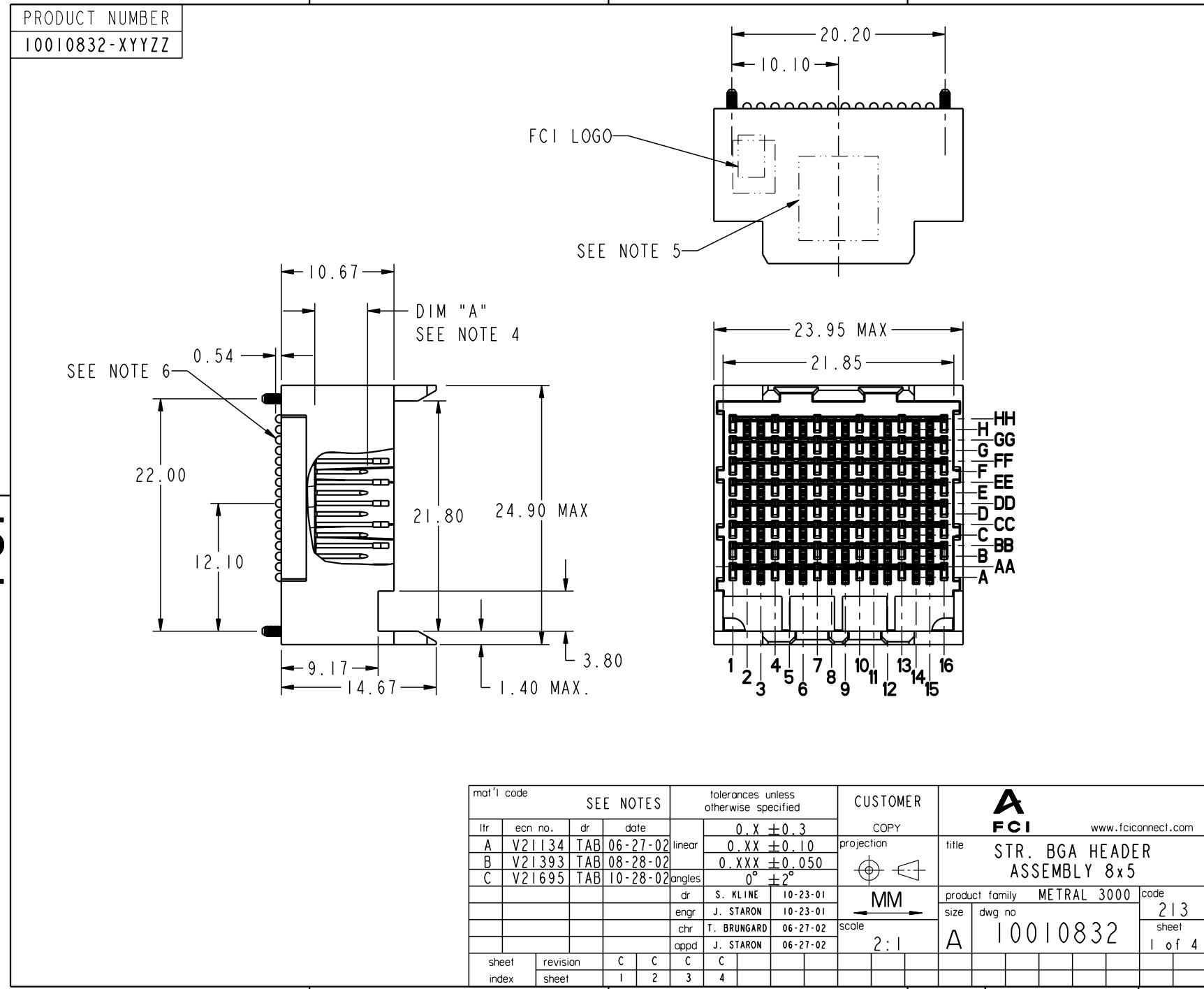


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PRODUCT NUMBER
10010832-001

Technical drawing of a BGA pad with the following dimensions and notes:

- BGA PAD:** The outer circular boundary of the pad.
- Ø 0.640:** The diameter of the central circular hole.
- Ø 0.10:** The diameter of the central circular hole.
- Ø 0.960:** The diameter of the outer circular boundary of the pad.
- Ø 0.800:** The diameter of the circular area within the pad boundary but outside the central hole.
- RECOMMENDED SOLDER MASK AREA:** The circular area within the pad boundary but outside the central hole.
- Ø 0.45 VIA:** The diameter of the central circular hole.
- SEE NOTE 7:** Reference note for the central hole diameter.
- SEE NOTE 8:** Reference note for the central hole diameter.
- SEE NOTE 8:** Reference note for the central hole diameter.
- 0.25:** The distance from the center of the central hole to the outer edge of the pad.
- 0.75:** The distance from the center of the central hole to the bottom edge of the pad.
- DETAIL D**
- SCALE 20:1**
- SEE NOTE 8:** Reference note for the scale.

DETAIL F
SCALE 20:1
SEE NOTE 8

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PRODUCT NUMBER	ROW	DIM "A"	PCB THICKNESS	NOTES:	PLATING IN CONTACT AREA			4			
					PRODUCT NUMBER	THICKNESS	UNDERPLATING				
10010832-X0101	H	5.00	3.50	1. UNLESS OTHERWISE SPECIFIED: DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994. 2. BODY MATERIAL: LIQUID CRYSTAL POLYMER, 40% GF FLAME RETARDANT IN ACCORDANCE WITH UL 94-VO 3. PIN MATERIAL: COPPER ALLOY ④ DIM "A" REFERENCES SIGNAL PIN ⑤ PRODUCT MARKING: PART NUMBER, DATE, AND LOT CODE. LOCATED APPROXIMATELY AS SHOWN. ⑥ SOLDER BALLS WILL NOT BE PERFECT SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT. NOMINAL INITIAL SOLDER BALL $\varnothing 0.76$ ⑦ SPECIFIED POSITIONAL TOLERANCE DEFINES PAD TO PAD AND PTH TO PTH LOCATION WITHIN LAND PATTERN. POSITIONAL TOLERANCE OF LAND PATTERN TO FUDICAL MARKS OR PCB DATUMS SHALL BE DEFINED BY CUSTOMER. ⑧ VIA DIAMETER, LOCATION, AND TRACE WIDTH SHOWN FOR REFERENCE PURPOSE ONLY. ACTUAL VIA DIAMETER, LOCATION, AND TRACE WIDTH SHALL BE DEFINED BY CUSTOMER	10010832-10101	0.80 μm Au	1.3 μm Ni MIN				
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