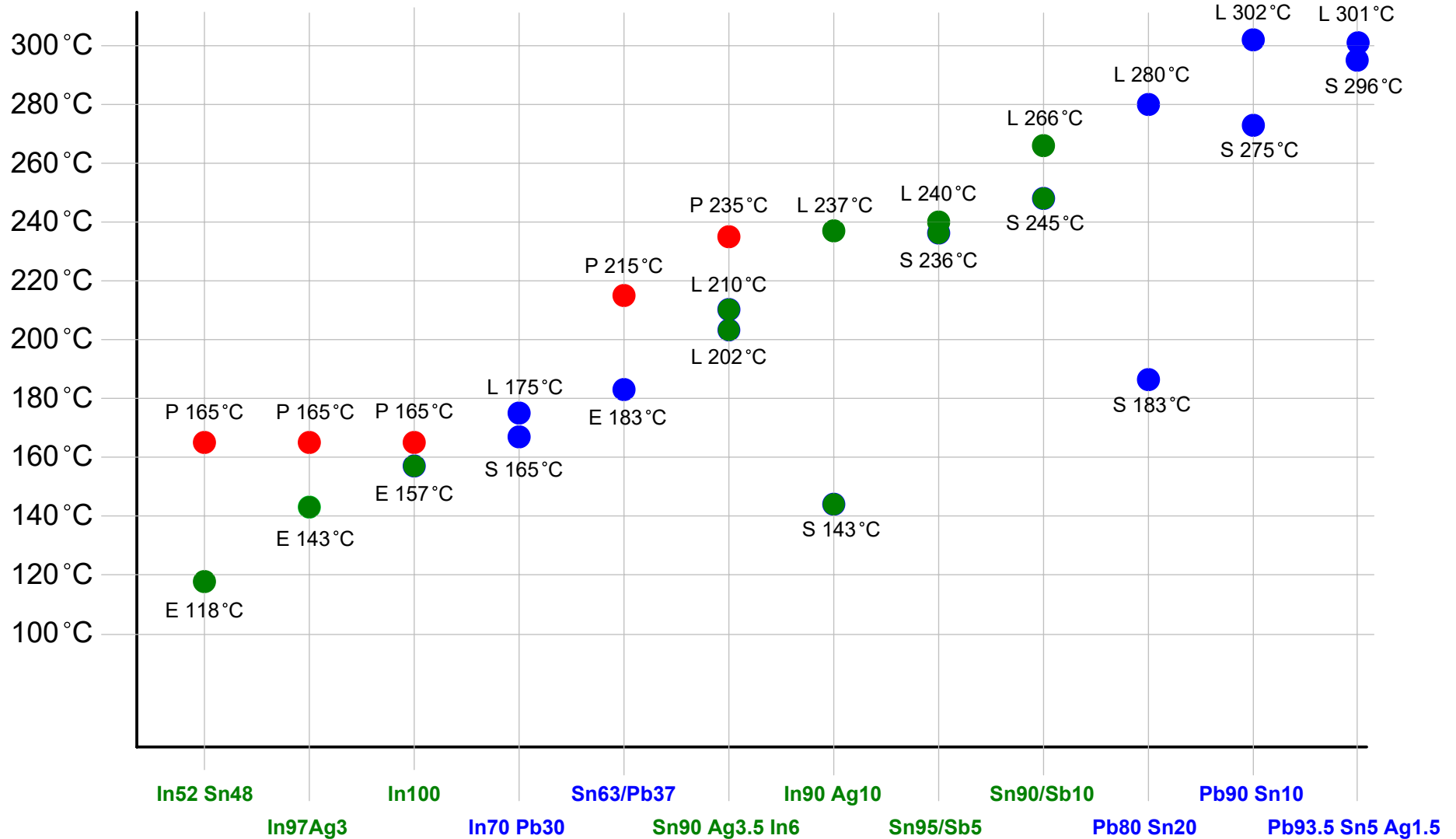


# SOLDER COLUMNS SOLIDUS & LIQUIDUS



**NOTES:**

E = Eutectic L = Liquidus S = Solidus P = Paste Reflow

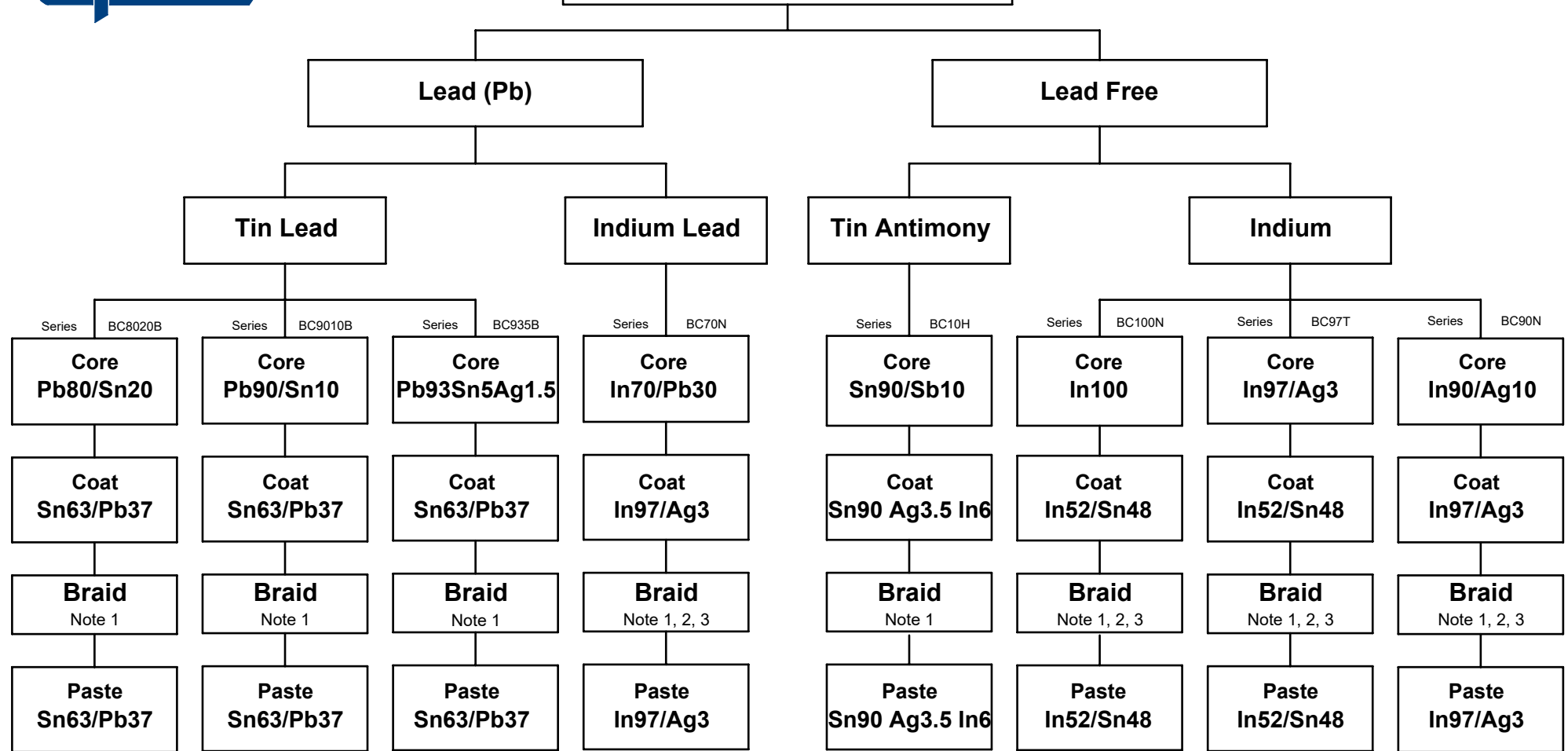
● **GREEN** = Lead Free ● **BLUE** = Leaded ● **RED** = Paste Reflow

APPROVALS	DATE				
DRAWN T. Au	2/13/2024				
ENG M. Hart	2/13/2024	TITLE SOLDER COLUMNS SOLIDUS LIQUIDUS			
MFG					
QA		SCALE	SIZE	DRAWING NO.	REV
CUST		NONE	A	705000	A
REVISED		DO NOT SCALE DRAWING			SHEET 1 OF 2



# BRAIDED COLUMNS

# MATERIALS



Application	Operating Temperature Outside Warm Electronic Box		BRAID MATERIALS		
			1	2	3
	Min	Max	BeCu	Nb	Au
Quantum Computer	0K (-273 °C)	4K (-269 °C)	X	X	X
Mars Surface	130K (-143 °C)	300K (+27 °C)	X		
Earth Surface	184K (-89 °C)	329K (+56 °C)	X		
Lunar Surface	102K (-171 °C)	162K (+111 °C)	X		
LEO Satellites	208K (-65 °C)	398K (+125 °C)	X		
GEO Satellites	77K (-196 °C)	401K (+128 °C)	X		
Mil Standard	281K (-55 °C)	398K(+125 °C)	X		

APPROVALS	DATE				
DRAWN T. Au	1/28/2024				
ENG M. Hart	1/28/2024	TITLE BRAIDED COLUMN MATERIALS & APPLICATIONS			
MFG					
QA		SCALE NONE	SIZE A	DRAWING NO. 708000	REV A
CUST		DO NOT SCALE DRAWING			SHEET 2 OF 2
REVISED					