

Record of Ratification Ballot Results for Procedural Review

Region/Locale: [North America](#)

Global Primary Technical Committee: [3D Packaging & Integration](#)

Advisory Global Technical Committee(s):

TC Chapter Cochairs: [Richard Allen \(NIST\)](#), [Chris Moore \(Covalent Metrology\)](#), [Sesh Ramaswami \(Applied Materials\)](#)

Standards Staff: [Laura Nguyen](#)

I. Document Number and Title

Document Number	Document Title
R6322A	New Standard: Specification for Panel Substrate Characteristics for Panel Level Packaging (PLP) Applications, with title change to: Specification for Panel Characteristics for Panel Level Packaging (PLP) Applications

II. Tally

Standards staff to fill in.

Voting Tally: As-cast tally after close of voting period

Note 1: Only TC Members of the Primary Global Technical Committee (GTC) or Advisory GTC who are registered on the issue date of the Letter Ballot for which the Ratification Ballot is issued are eligible to vote on the Ratification Ballot. (*Regulations* ¶ 10.3)

Note 2: The total number of Primary GTC Voting Interest Votes that are recorded as Approve per *Regulations* ¶ 10.5.1.2 shall be equal to or greater than 30% of the Primary GTC Voting Interests that have at least one eligible TC Member. (*Regulations* ¶ 10.5.2.1)

Note 3: The total number of valid Disapprove Votes counted per *Regulations* ¶ 10.5.1.3 shall be less than 10% of the total number of Voting Interests that received the Ratification Ballot. (*Regulations* ¶ 10.5.2.2)

a)	The # of eligible (<i>Note 1</i>) Voting Interests of the Primary GTC	111
b)	The # of eligible Primary GTC Voting Interests that returned Vote(s)	72
c)	The total # of eligible Primary GTC Voting Interest Approve Votes	45
d)	Percentage (%) of eligible Primary GTC Voting Interests Approve Votes (<i>Note 2</i>)	40.54%
e)	The total # of eligible Primary & Advisory GTCs Voting Interests	111
f)	The # of Valid Disapprove Votes	1
g)	The # of Invalid Disapprove Votes	0
h)	Percentage (%) of Primary & Advisory GTCs Voting Interests Valid Disapprove Votes (<i>Note 3</i>)	0.90%

Note: See *Regulations* § 10.7 for additional information.

III. Valid Disapprove Votes

The Originating TC Chapter is required to either assign the technical reasons accompanying Disapprove Votes on the Ratification Ballot either to a TF or place it on the agenda of the earliest TC Chapter meeting after the Ratification Ballot is concluded for consideration as new business regardless of whether or not the Ratification Ballot is accepted. (*Regulations* ¶ 10.6.2)

1) Voting Interest Name 1: Monte Rosa Technologies

Voter: Name and company Mei-Chien Lu/ Monte Rosa Technologies

Details of Disapprove Vote:

the question raised regarding analogy to silicon wafer notch and bar codes in my previous ballot was not clearly resolved. the analogy is about identifying orientation of panel and associated product and process. methods or marks for identifying orientation should be one of panel characteristics. the wording about "510x515 has leading edge but 600x600 does not"; implies a missing characteristics of 600x600 panel to be defined. I approve the panel sizes of 510x515 and 600x600 only at this point.

IV. Invalid Disapprove Votes

Details of any assessment required per *Regulations* ¶ 10.5.3.1.2 (e.g., who performs the assessment, reason for the finding) that finds a Disapprove Vote to be invalid).

2) Voting Interest Name 1: XXXX

Voter: Name and company: XXXX

Details of Disapprove Vote: XXXX

Name and company of the TC Chapter cochairs who perform the assessment:

Reason for the finding of invalid:

Standards staff to record the result of the A&R procedural review here:

A&R	X	Approved for publication
		Not approved, returned to the TF
		Reason: