



WHITE HORSE STRATEGIC SOLUTIONS

Inspection Level 1 – Visual Inspection

White Horse' Level 1 (Visual) Inspection includes external visual inspection under up to 200x magnification to identify:

1. Condition (New, unused, remark, refurbish, used, etc.)
2. Part number
3. Date code
4. Country of Origin
5. Dimensions
6. External packaging

We inspect the external packaging, the terminals, the marking, and the body of the components to identify such items as:

1. Wrong part number marking
2. Exposed copper
3. Bent pins and coplanarity
4. Chips and cracks
5. Marking removal
6. Reconditioning

A complete report including photographs and comments is submitted with each order.

Receiving Inspection



Marking on box same as order with
Panasonic EEVEB2E220SM



Marking code is different than spec
and should be 250V – counterfeit



Components were delivered without moisture barrier bag (left). Components are SMD devices with MSL Level III (right label). Components have exceeded floor life and should be re-baked, requiring re-taping, prior to shipment to avoid delamination and “popcorning”.

Component Body Inspection



Received two reels of the same part number, same date code but different lot codes. Parts from one reel (left) were in new condition while the parts from the other (right) were polished with the Pin 1 indicator in a different location from the other, and not in the location specified on the datasheet. The second reel of parts had been remarked.



The Maxim logo bar goes through the Pin 1 indicator, OEM would reject this internally - part is remarked.



Patterned striations from sanding are evident on this part. Original marking was removed – part is remarked.

Marking Inspection



The marking on this Analog Devices component was clear and in white ink (left). The triangle in the logo smaller than the OEM standard, and the marking was easily removed with our simple erasing compound (right). OEM marking is not removable with this compound – part is remarked.

Terminal Inspection



Exposed copper will lead to solderability problems, and file marks indicate part is refurbished



Pins on TQFP device arrived misaligned

White Horse used the ANSI specifications for accepted quality level (AQL) to determine the appropriate sample size for inspection to reduce your cost and lead-time while providing an accurate report. Standard price is USD150.00 with a lead-time of one (1) day.