

A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



MPHL - TPE May 2024

NPI Process

MCHP



Scope

- Present how Microchip introduces new product and releases to manufacturing.
- SPI-41036: New Product Development Review / Quality Planning and FRM-41036-xxx.
 - Team Composition
 - Key Milestones
 - Forms
 - Peer Review
 - Engineering Engagement



Team Composition

- Product Engineer (Team Leader)
- Design Leader
- Product Marketing
- Applications
- Test Engineer
- Software and Development Systems BU
- Assembly Engineer
- Quality/Reliability
- Manufacturing (Probe/FT)
- Foundry Interface
- Test Hardware Group



Key Milestones

PBP	► DOS	► Stream out	Silicon	► WPS
Product Business	<u>Design Objective</u>		Complete	<u>Whole Product</u>
Plan	<u>Specification</u>		<u>RTP</u>	<u>Solution</u>
Reviewed by NPPS council - Feature sets - Die size - COGS - Cycle time - Forecast	Kicked off by NPD team - Overall project - Individual plan - Manufacturing	Follow up review - Design start - Wafers fabricated - Engineering sample - Silicon validation - Characterization	Final review - Beta (customer) sample delivery - Qual completed - PDC released - Risk prod builds in testing - Release PSI/MPC/CPN - Device web published	- All Risk builds completed test & placed in FG - MCHP Direct / Sample flags are flipped - Wafer FAB start - Post mortem





FRM-41036-001 New Product Review @ DOS							
Primary	Supporting Docs						
FRM-41036-005 - Attendance Summary	FRM-41036-016 - Special Requests Checklist						
FRM-41036-006 - Actions/Notes Summary	FRM-41036-105 – Reliability Hardware Design Checklist						
FRM-41036-007 - Wafer Start Summary	FRM-41036-121 - APID Automotive Manufacturing Checklist						
FRM-41036-009 - Test Summary							
FRM-41036-011 - Assembly Summary							
FRM-41036-013 - Qualification Summary							
FRM-41036-017 - Hardware Summary							
FRM-41036-019 - Key Deliverables Summary							
FRM-41036-025 - Summary of DOS Requirements for Release							
IP Status Checklist – SharePoint e-Sign Application (IP Review Form)							



Forms: Stream-out

FRM-41036-002 New Product Review@ Stream-out							
Primary	Supporting Docs						
Front End PSI CN – SharePoint Application	FRM-41036-016 - Special Requests Checklist						
Part Data Change Notice SharePoint Application - MPC/CPN/BOM CN	FRM-41036-035 – APID/MSLD Break-the Part (DFMEA) Checklist						
FAB Work Order SharePoint Application – Wafer Start CN (Internal FABs only)	FRM-41036-125 - Mark & Pack (SCAN) New Package/Cd Readiness Requirements						
FRM-41036-005 - Attendance Summary							
FRM-41036-006 - Actions/Notes Summary							
FRM-41036-007 - Wafer Start Summary							
FRM-41036-009 - Test Summary							
FRM-41036-011 - Assembly Summary							
FRM-41036-013 - Qualification Summary							
FRM-41036-017 - Hardware Summary							
FRM-41036-019 - Key Deliverables Summary							
FRM-41036-025 – Summary of DOS Requirements for Release or WPIP (Whole Product Introduction Plan)							
FRM-41036-026 - Production Ramp Plan							
FRM-41036-105 – Reliability Hardware Design Checklist							
FRM-00034 – Customs requirements							
IP Status Checklist – SharePoint e-Sign Application (<u>IP Review</u> Form)							



Forms: RTP

FRM-41036-003 New Product Review @ RTP								
Primary	Supporting Docs							
Front End PSI CN – SharePoint Application	FRM-41036-016 - Special Requests Checklist							
Part Data Change Notice SharePoint Application - MPC/CPN/BOM CN	FRM-41036-042 - Reliability Monitor Program Addition Checklist							
FRM-41036-005 - Attendance Summary	FRM-41036-036 - Whole Product Review Checklist							
FRM-41036-006 - Actions/Notes Summary	FRM-41036-037 - Whole Product Solution Checklist							
FRM-41036-021 - Summary Qual Test Results	FRM-41036-125 - Mark & Pack (SCAN) New Package/Cd Readiness Requirements							
FRM-41036-022 - Production Readiness Summary								
FRM-41036-023 - Summary of Potential Problems								
FRM-41036-024 - Summary of Planned Changes								
FRM-41036-025 - Whole Product Collateral Summary Or WPIP (Whole Product Introduction Plan)								
FRM-41036-043 – Summary of Probe Readiness								





FRM-41036-036 PIC Whole Product Review					
Primary Supporting Docs					
FRM-41036-005 – Attendance Summary	FRM-41036-037 - Whole Product Solution Checklist				
	FRM-41037-003 – WSG WPS Kick-off				

FRM-41036-004	
Post-Mortem	



Peer Review

Review At	Required Participants [‡]	Recommended Participants (Representing)
DOS (New Products only)	 Product Engr (Team Leader) Design Leader Product Marketing** Applications Test Engineer Software (Business Unit dependent) Development Systems (Business Unit dependent) 	 Assembly Engr/CPTD Quality/Reliability* Manufacturing (Probe)* Manufacturing (FT)* Team leaders of similar projects Foundry Interface Group****
Stream-out	 Product Engr (Team Leader) Design Leader Product Marketing** Quality/Reliability* Applications Test Engineer Software (Business Unit dependent) Foundry Interface Group**** 	 Team leaders of similar projects Manufacturing (Probe)* Manufacturing (FT)* Test Hardware Group*
Silicon RTP	 Product Engr (Team Leader) Design Leader Product Marketing** Test Engineer Production Control Production Planning Quality/Reliability APG Product Engineer**** 	 Manufacturing (Probe)* Manufacturing (FT)* Yield Enhancement* Applications*** Foundry Interface Group****
Fab Transfer RTP*****	 Product Engr (Team Leader) Test Engineer Product Marketing Production Control Production Planning Quality/Reliability APG Product Engineer**** 	 Manufacturing (Probe)* Manufacturing (FT)* Yield Enhancement* Applications*** Foundry Interface Group****
Whole Product	 Product Engineer (Team Leader) Product Marketing** Development Systems (Business Unit dependent) Applications Software (Business Unit dependent) 	 Sales FAE's
Post-mortem	Presented to the Product Team	N/A

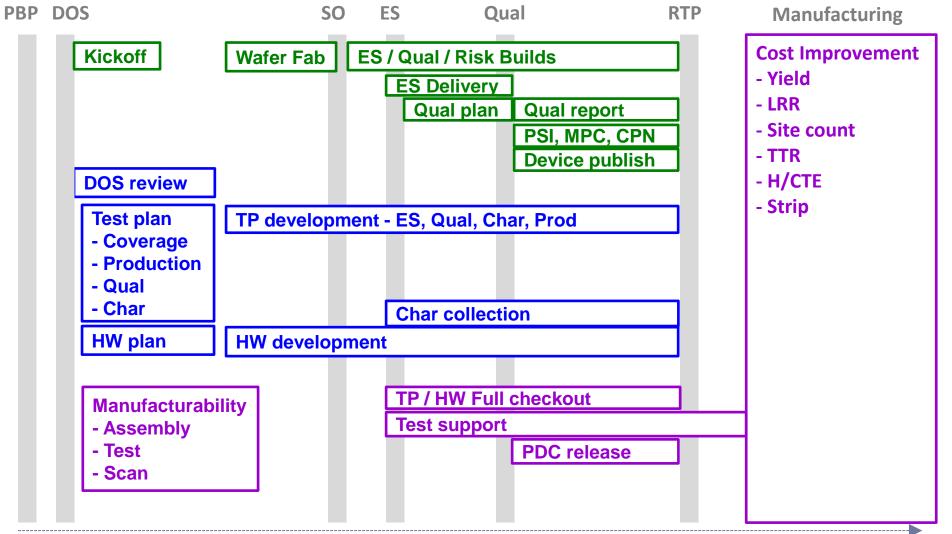


Peer Review cont..

Review At	Required Participants [‡]	Recommended Participants (Representing)						
EOL>REL or PHAS>REL	 Requesting Product Engineer or Product Marketing** APG**** 	 Invite experts for input as needed to answer questions in the checklist 						
Must invite APG*It is strongly sug****For products to b*****Required only fo	 ** Must invite APG marketing if automotive focused *** It is strongly suggested that Applications be invited for firmware- based products. 							
^t NOTE: Although best if all required participants attend the new product review meetings, in the event that a required participant cannot attend, the following action satisfies the participation requirement.								
	Documentation must be included in the product review record indicating that the required participant reviewed and approved the product review presentation. Some example documentation methods are listed below:							
 Add an entry on review presenta Waterfall attendation 	 Attach an email from the required participant indicating that they reviewed and approved the product review presentation. Add an entry on the attendance sheet for this required participant with a note indicating that they did review and approve the product review presentation. Waterfall attendance feature captures the list of attendees present at the review. For participants absent during the review, a copy of the review will be sent via an automated email. Approvals can be provided by following the link in the email. Waterfall captures these 							



Engineering Engagement



BU TE, BU PE and Manufacturing TPE

Time

AICROCHIP

Waterfall CCT

Waterfall Comprehensive Checklist Tracker (CCT) is an online system used for tracking the new product development (NPD). The online system can be used as an alternative to the paper-based checklists associated with each milestone of the NPD process. This applies to all business units of Microchip Technology Inc.

All checklists pertaining to this procedure **SPI-41036** are supported by Waterfall release (starting Jan 2018) except for SharePoint Applications (ex: MPC/CPN/BOM, IP Form etc.).

Access Waterfall through: <u>waterfall.microchip.com</u>



Waterfall: STS01

WSG Checklist Tracker

ATA5351 CaRA mark II - C1





Project Links Project Checklist Completion : 100 % (Completed) Project Creation Date : Feb 14 2020 Project Team Project Home Project IP Info Project Summary Project Release Info Parent Project Project Complete Approved By: Klaus Gratzke - M43615 Approval Date: Jul 14 2023 09:16

Checklist Navigation Options

Milestone	Discipline				Project Snapshots	All Questions	AI & Notes
Select 🗸 Go	Select	✓ Go	Select	❤ Go			

Project Milestone

Milestone Name	Answered(%)	Reviewed(%)	Pending Action Item(s)?	Status	Latest Completed Task	Ву
PBP	100.0	100.0	0	Completed	2020-02-14 09:44	Klaus G
DOS	100.0	100.0	0	Completed	2020-02-14 09:55	Klaus G
Feasibility	100.0	100.0	0	Completed	2020-02-14 09:45	Klaus G
Floorplan	100.0	100.0	0	Completed	2020-02-14 09:55	Klaus G
RTL Freeze	100.0	100.0	0	Completed	2020-02-14 09:55	Klaus G
Streamout	100.0	100.0	0	Completed	2020-02-21 11:37	Klaus G
Post Mortem at Streamout	100.0	100.0	0	Completed	2023-07-14 09:14	Klaus G
Engineering Samples	100.0	100.0	0	Completed	2020-04-08 07:20	Klaus G
Silicon Validation	100.0	100.0	0	Completed	2023-07-14 09:15	Klaus G
Silicon Characterization	100.0	100.0	0	Completed	2023-07-14 09:16	Klaus G
EA Samples	100.0	100.0	0	Completed	2023-07-14 08:46	Klaus G
RTP	100.0	100.0	0	Completed	2023-07-14 09:02	Klaus G
WPS	100.0	100.0	0	Completed	2023-07-14 09:07	Klaus G
Post Mortem	100.0	100.0	0	Completed	2023-07-14 09:11	Klaus G

^

 \checkmark

Project Checklist Completion - 100% 🔨

Waterfall: STS01

WSG Checklist Tracker

ATA5351_CaRA_markII - C1 Project Checklist Completion - 98.8% Project Details Checklist Completion Project Links wered Completion Reviewed Completion Project Checklist Completion : 98.8 % (In Progress) : ATA5351_CaRA_markII Project Project Creation Date : Feb 14 2020 : C1 Rev 50% Project Home Project Team Project Summary FRM Version C Mask ID : STS01 75% 25% Linked to ATA5351-7MQW-VAO Product PE Flow Diagram Proj Mgr / Chip Lead : Alexander Schaller - M43758 🖂

Checklist Navigation Options

: Klaus Gratzke - M43615 🖂

Milestone		Discipline		FRMs	Project Snapshots	All Questions	AI & Notes
Select	✓ Go	Select	♥ Go	Select			

100%

0%

98.8%

Project Milestone

Product Engineer

Milestone Name	Answered(%)	Reviewed(%)	Pending Action Item(s)?	Status	Latest Completed Task	Ву
DOS	100.0	100.0	0	Completed	2020-02-20 13:24	Maurizio F
Streamout	100.0	100.0	0	Completed	2020-02-21 11:20	Klaus G
RTP	100.0	100.0		Completed	2020-09-03 06:24	Michelle P
WPS	100.0	100.0	0	Completed	2023-09-21 08:19	Alexander S
Post Mortem	93.8	87.5	0	Active	2023-07-19 03:08	Alexander S

Current Milestone is highlighted with green(
) color background

Note :

To choose next step in the PE Checklist flow, please contact Alexander Schaller - M43758 🖂 / Klaus Gratzke - M43615 🖂



Waterfall: STS01

List of FRMs that contains Data entry / Table(s)

🕹 Back to Top							
FRM #	FRM Name	Answer Completion (%)	Answer Completion Status	Review Completion Status	Last Answered	Last Answered By	Reviewed By
FRM-41036-003_T	NEW PRODUCT REVIEW AT RTP CHECKLIST	100.0	Completed	Reviewed	2020-09-22 11:15	Klaus G	Klaus G/2020-09-22 11:16
FRM-41036-005_E	NEW PRODUCT REVIEW ATTENDANCE SHEET	100.0	Completed	Reviewed	2020-09-29 01:27	Wolfgang E	Alexander S/2020-11-12 09:05
FRM-41036-016_E	NEW PRODUCT REVIEW CHECKLIST FOR SPECIAL CUSTOMER REQUESTS	100.0	Completed	Reviewed	2020-09-08 05:16	Alexander S	Klaus G/2020-09-17 08:54
FRM-41036-021_E	SUMMARY OF QUALIFICATION TEST RESULTS	100.0	Completed	Reviewed	2020-09-08 05:36	Alexander S	Klaus G/2020-09-14 03:40
FRM-41036-022_Q	SUMMARY OF PRODUCTION READINESS	100.0	Completed	Reviewed	2020-09-08 10:27	Rely R	Klaus G/2020-09-14 03:42
FRM-41036-023_E	SUMMARY OF POTENTIAL PROBLEMS	100.0	Completed	Reviewed	2020-09-08 05:43	Alexander S	Klaus G/2020-09-14 03:43
FRM-41036-024_C	SUMMARY OF PLANNED CHANGES AND ENHANCEMENTS	100.0	Completed	Reviewed	2020-09-08 05:46	Alexander S	Klaus G/2020-09-14 03:44
FRM-41036-025_G	SUMMARY OF WHOLE PRODUCT COLLATERAL	100.0	Completed	Reviewed	2020-09-21 03:50	Alexander S	Klaus G/2020-09-21 04:17
FRM-41036-042_D	RELIABILITY MONITOR PROGRAM ADDITION CHECKLIST	100.0	Completed	Reviewed	2020-10-26 09:55	Alexander S	Alexander S/2021-02-08 09:56
FRM-41036-043_A	SUMMARY OF PROBE READINESS	100.0	Completed	Reviewed	2021-02-16 02:27	Michelle P	Alexander S/2021-02-16 02:31
FRM-41036-125_Rev-A	MARK & PACK (SCAN) NEW PACKAGE/CD READINESS REQUIREMENTS	100.0	Completed	Reviewed	2020-09-11 08:32	Alexander S	Klaus G/2020-11-12 09:09
FRM-41037-003_B	WSG WPS KICKOFF SCHEDULE AND SCHEDULE UPDATE FORM	100.0	Completed	Reviewed	2020-11-12 08:55	Alexander S	Klaus G/2020-11-12 09:09

Links on the actual records:

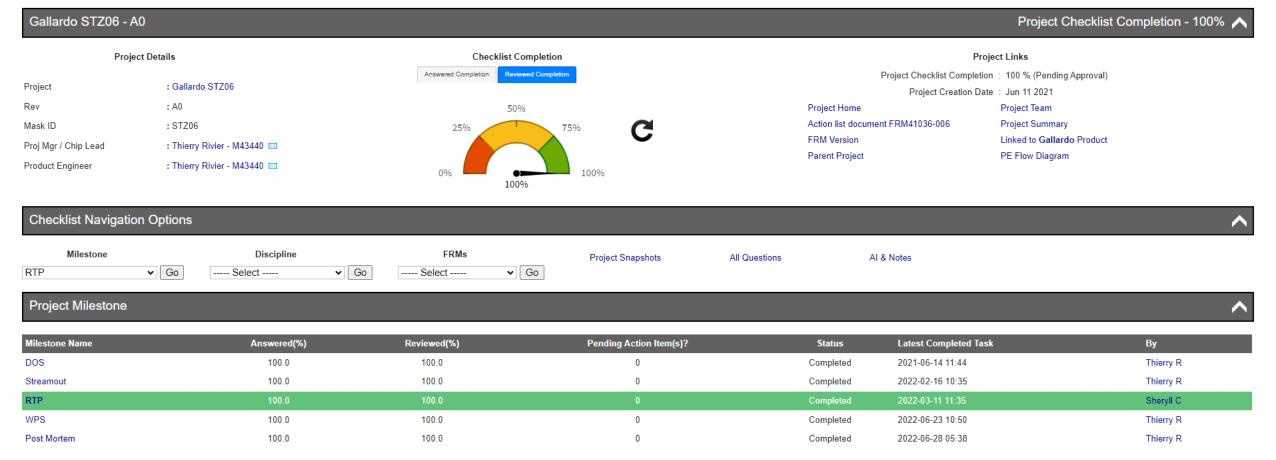
SUMMARY OF PROBE READINESS

SUMMARY OF PRODUCTION READINESS



Waterfall: STZ06

MPU32 Checklist Tracker





Waterfall: STZ06

List of FRMs that contains Data entry / Table(s)

🖞 Back to Top							
FRM #	FRM Name	Answer Completion (%)	Answer Completion Status	Review Completion Status	Last Answered	Last Answered By	Reviewed By
FRM-41036-003_T	NEW PRODUCT REVIEW AT RTP CHECKLIST	100.0	Completed	Reviewed	2022-02-16 11:35	Thierry R	Thierry R/2022-03-24 07:47
FRM-41036-005_E	NEW PRODUCT REVIEW ATTENDANCE SHEET	100.0	Completed	Reviewed	2022-03-27 05:00	Sheryll C	Thierry R/2022-06-13 07:48
FRM-41036-016_E	NEW PRODUCT REVIEW CHECKLIST FOR SPECIAL CUSTOMER REQUESTS	100.0	Completed	Reviewed	2022-02-23 09:06	Thierry R	Thierry R/2022-03-24 08:03
FRM-41036-021_E	SUMMARY OF QUALIFICATION TEST RESULTS	100.0	Completed	Reviewed	2022-03-10 05:43	Marta G	Thierry R/2022-03-24 08:00
FRM-41036-022_Q	SUMMARY OF PRODUCTION READINESS	100.0	Completed	Reviewed	2022-03-15 06:30	Thierry R	Thierry R/2022-03-24 08:01
FRM-41036-023_E	SUMMARY OF POTENTIAL PROBLEMS	100.0	Completed	Reviewed	2022-03-18 03:28	Thierry R	Thierry R/2022-03-24 08:01
FRM-41036-024_C	SUMMARY OF PLANNED CHANGES AND ENHANCEMENTS	100.0	Completed	Reviewed	2022-02-16 11:53	Thierry R	Thierry R/2022-03-24 08:01
FRM-41036-025_G	SUMMARY OF WHOLE PRODUCT COLLATERAL	100.0	Completed	Reviewed	2022-03-24 06:36	Thierry R	Thierry R/2022-03-24 08:02
FRM-41036-042_D	RELIABILITY MONITOR PROGRAM ADDITION CHECKLIST	100.0	Completed	Reviewed	2022-03-04 01:39	Thierry R	Thierry R/2022-03-24 08:08
FRM-41036-043_A	SUMMARY OF PROBE READINESS	100.0	Completed	Reviewed	2022-03-11 11:13	Thierry R	Thierry R/2022-03-24 07:41
FRM-41036-125_A	MARK & PACK (SCAN) NEW PACKAGE/CD READINESS REQUIREMENTS	100.0	Completed	Reviewed	2022-03-17 23:55	Nescelle Marie E	Thierry R/2022-03-24 08:10

Links on the actual records:

SUMMARY OF PROBE READINESS

SUMMARY OF PRODUCTION READINESS



Waterfall: STZ06

Action Items Notes	S							Action Items and Notes	s Snapshot 🕹
			A	Action Item(s)					
Save Action Item(s) Show 10 🗸 entries								Search:	
Review Event Milesto	one Discipline	ID#	Question	Action Item	Owner	Due Date	Action Taken	Status	Reviewed
¥	✓ ✓							v	V
RTP	Product Engineering	3514	Are FT and Probe yields acceptable for RTP?	A3 : Solve the issue in // 4 Finalize the RTM on the	Nescelle Marie E	2022-06-17	All contactors pogo pins where now replaced by RIKA pins (FW09)	closed	Yes
RTP	Product Engineering	3515	Has probe readiness been completed and signed off by probe? (Attach completed FRM-41036-043)	probe readiness been c ompleted and signed off by probe	Nescelle Marie E	2022-02-28	done FRM-41036-043 fo rm approval by producti on (Josefina Barcelona	closed	Yes
RTP	Product Engineering	3520	Has the DFMEA (and Break the Part actions - if applicable) been finalized based on the physical silicon and been filed in DMS?	DFMEA must be update d and posted in DMS	David M	2022-02-28	DFM-52205	closed	Yes
RTP	Product Engineering	3522	When compared to the original product plan, did the product being reviewed today meet acceptable cost targets?	Confirm that the the origi nal product plan, did the product being reviewed t	Eric A	2022-02-28	current cost acceptable	closed	Yes
RTP	Product Engineering	3525	For foundry products, have the appropriate sections in SPI-41002 and 41538 been updated, and has this product been added to the Qualified Foundry table within QCI-33102?	To check	Thierry R	2022-03-11	OK for QS=N	closed	Yes
RTP Showing 11 to 20 of 28 entries (filt	Product Engineering	2528	Are all known errata items addressed either in released errata sheets or errata sheets in signoff?	confirm that all known er	Gilles G	2022-02-28	Datasheet approved , ac Atually in signature loop T	First Previous 1	2 3 Next Last

Links on the actual records:

ACTION ITEMS

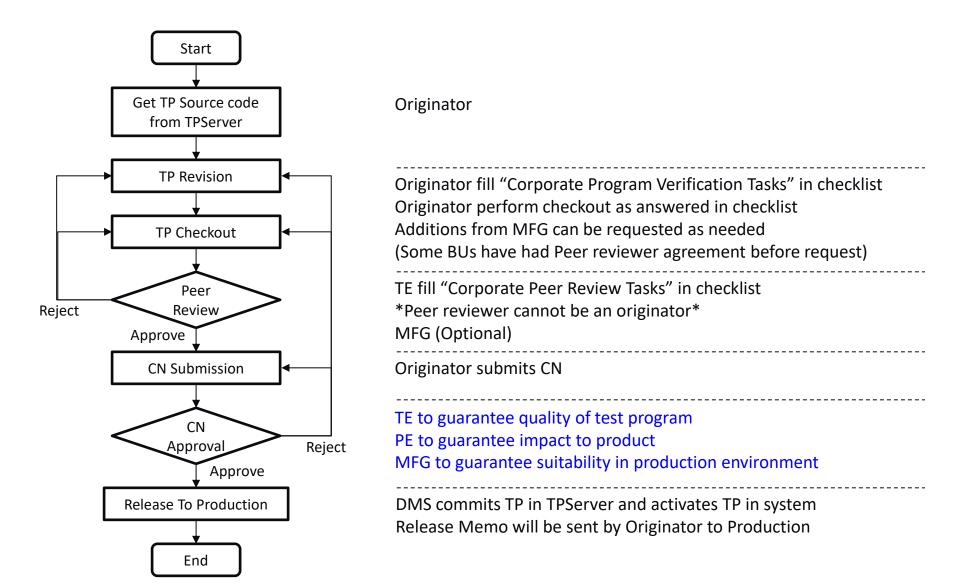


TP Release

MCHP



Test Program Release Overview





Test Program CN (Wafer Test)

-			• ONE TEAM • ONE GO/ Contact CollaborativeA										e	iite Owner(s): Chie	
n1////	<u>84</u>					lan gerein		611	11 11-1-1-1-	🖄 Luther Mark Camson - A42299	- 🥑 😼 😮 🛛 Er	ter CN Number			Advanced Sea
Electroni	ic Change I rch	Notice 🕨													
N Search															
Click here	to view t	he instructions to	o use the search g	grid.											
Clear all Filters	Clear all Grou	upings Export to Excel													
r performance rea	sons, the data	in the table below is cache	d. Data as of: 5/3/2022 1:0	02:04 AM Refresh	Data										
irag a column hea	der and drop it	here to group by that colu	mn												
CN Link	Spec Type	Spec#	CN Status	CN Originator	Rev	Title	CN Type	Spec Owner	CN Description	Change Reason	Location	Division	Department Area	Created On	Subtype
	PST 💌		·									•	•	•	
CN_PST066027	PST	77A0E	Submitted	Paul Dominguez - A52527	004	PST-77A0E	Rev	Paul Dominguez - A52527		Initial Test Program Release for Fortissimo 3.1 to be use for Production lot	N/A	N/A	N/A	5/2/2022 12:00:00 AM	
CN_PST066023	PST	STA19	Submitted	Nigel Tu - A30653	000	PST-STA19	Rev	Poh Lee Teh - A30567		B-1 PE-1 Masks-1 Update STA19_PM898 wafer sort test program W2 release to subcon to address hang up issue	N/A	N/A	N/A	5/2/2022 12:00:00 AM	
CN_PST065927	PST	38605	Submitted	Noriel Untalan - A50128	010	PST-38605	Rev	Luther Mark Camson - A42299		Change TP version from 4.102 to 4.103 - just to add new board ID and added new characters A.B.C.D for lot numbers traceability Adjusted all correct TP for this mask in bitbucket.	N/A	N/A	N/A	4/28/2022 12:00:00 AM	
CN_PST065926	PST	38604	Submitted	Noriel Untalan - A50128	009	PST-38604	Rev	Tom Chen - A23089		Change TP version from 4.102 to 4.103 - just to add new board ID and added new characters A,B,C,D for lot numbers traceability The upload in bitbucket has other TP V2.101 for ATA5577M3 device on this same mask.	N/A	N/A	NA	4/28/2022 12:00:00 AM	
CN_PST065937	PST	59Z02	Approved	April Grace Bola - A42273	009	PST-59202	Rev	Larry Biocarles - A42268		New Sort-2 TP to address duplicate IDSN issue, TP revised from 59202_203_CP2_X160_J0 to 59202_203_CP2_X160_J1. Change applicable for 59202 and 59203	N/A	N/A	N/A	4/28/2022 12:00:00 AM	
CN_PST065660	PST	77A0C	Approved	Paul Dominguez - A52527	015	PST-77A0C	Rev	Ralp Lyndon Manalo - A50151		Release of TPv0.7706 is for the New Loadboard of Fortissimo LB18602.	N/A	N/A	N/A	4/20/2022 12:00:00 AM	
CN_PST065952	PST	KV00F	Completed	Lucas Nelson - C16350	012	PST-KV00F	Rev	Lucas Nelson - C16350		BB-1 PE-1 Masks-2 - Multi-mask PST: PST-KV00F and PST-KV00R New PFM ERS CP screens. Removal of BOR/LPBOR/VREG_TRK from	N/A	N/A	N/A	4/29/2022 12:00:00 AM	



22

Test Program CN (Final Test)

eSign.⊽												MCHPV	/EB
☆ Create	⁄≣To-	Do 🖹 View 🔍 Search	n 🕐 Help 🗸									Search Request #	۹ د
Search Criteria My Saved Searches											Saved Searches		
		one of these fields: eSign/Re earch criteria and date criter	quest Number, Category, or Sta ia (Optional)	tus						You have	e no Saved Searches		
eSign/Request	eSign/Request Number Enter exact eSign/Request Number #				Date Criteria								
Catagony				Select Date Ty	rpe ·	•	Select Date Range	•					
Category		Test Prog	Test Program Change Notice • Please select •			(f	•	MM/DD/YYYY					
Status		Please sel						WW/DD/TTT					
⊖ Choose Ci	riteria	~											
Search Results	Legacy	eSign											
Request No	T	Category	Reason for Change	Status Y Change Ty	/pe	Business Unit	٦	Mask T	Created By	T	(i) Approved On	▼ (i) Created On ↓	
TRP2206208		Test Program Change Notice	New Test Program release Fin	Submitted Test Progra	am ID	WSG		77A0C	Paul Domingue			11/09/2022	
TRP2206209		Test Program Change Notice	Create new test flow in PSI ma			TCG TGD01			Traithep Ritthapo			11/09/2022	
TRP2206207 TRP2206201		Test Program Change Notice	Add Flow # 395427 STRIP TEST	Reviewed PSI Test Re				Methee Namsanguan - B07639 Natwara Chauyina - B17416			11/09/2022		
TRP2206201		Test Program Change Notice Test Program Change Notice	Fix QC rejects IDD failure mask Release TP new Rev TRAF0_D1	Reviewed Test Progra		APID MCU32		PJAC1/2 TRAF1,TRAF5	Koset Tang-oon			11/09/2022	
TRP2206205		Test Program Change Notice	Release new PSI of 77411/ 774	Reviewed PSI Test Re		MCU08		77411,77412,75003,B5AK2	Noranit Sathorr			11/09/2022	
TRP2206203		Test Program Change Notice	Release test program leak0_b5	Activated Test Progra	am ID	MCU16		LEAK1	Surachat Rawar	gkai - 806088	11/09/2022	11/09/2022	
TRP2206202		Test Program Change Notice	Update test program to add V	Reviewed Test Progra	am ID	MSLD		A7CE1, A7CE2, A7CJ1, A7CJ2	Witchaya Virinth	orn - B64496		11/09/2022	
TRP2206159		Test Program Change Notice	Update PSI test revisions.	Submitted PSI Test Re	visions	MPD		C5Bj1,C5Bj2,C5Bj3,C5Bj5	Watjirat Wattha	nawirot - B684		11/09/2022	
•													*
I 2 3	3 4 5	6 7 8 9 10 🕨	100 🔻 items per page									1 - 100 of 31107 ite	ms 🖸



https://esign.microchip.com/Search

Reference Specs

SPI-41043 Test Specification System SPI-41043-001 Test Hardware Development Procedure_ SPI-41043-002 Test Development Procedure SPI-41043-003 Test Verification, Review, and Release Procedure SPI-41043-004 Test Program Release Criteria/Procedures SPI-41043-005 Test Quality Screens Criteria/Procedures SPI-41043-006 Guard banding for Tester Variances FRM-41043-001 Test Program Verification and Peer Review Checksheet

http://mchpweb/dms/specindex/MCHPSearch.aspx?Spec%20Status=Current&Spec%20Type=SPI



Thank you

