

J.W. SPEAKER

JWS QC FILLS IN

J.W. SPEAKER SUPPLIER PRODUCT SUBMITTAL WARRANT

					AUR					
	ER PROJECT INFO	RMATION					RING INFORM			
JWS Part Number		4036330		Supplier Name		AEM				
Part Description			HEATSINK, 93 BI-LED		Supplier Num	ber	1060			
Engineering D	rawing Revision		C		Supplier Conta	act	Andy Chen			
Purchase Order			MP00001248		City		Pompano Beach			
EP/ECN			New Clean F	Process	State	•	FL			
JWS Sourcing Contact			Michele Po	ollasch	Postal Code	•	33064			
Date Requested			9/22/20			PPAP Due Date		11/3/2023		
Reason for S			0,22,20							
	Intial Submission					Change to Opt	ional Construction	or Motorial		
	Engineering Change				v		r Material Source	-		
Tooling: Transfer, Replacement, Refur			bishment, or addition	nal	Х		Part Processing (CLEANING)			
Correction or discrepancy							iced at Additional Location			
Tooling Inactive > 1 year						Other: Please	Specify			
REQUESTE	D SUBMISSION LE									
	LEVEL 1	Warrant Only-Si	igned warrant to ack	knowledge receipt of drawing	revision that does	not require sam	ple submission			
Х	LEVEL 2	Level 1 plus pro	duction samples, 3	piece dimensional layout (p	er cavity), 30 pie	ce capability stu	dy only for critical	dimensions repre	sented by ◊ o	or • symbol
	Х	Dimensional wit	h Layout (Parts to b	e measured after paint, whe	n applicable) PE	CAVITY				
		30 piece capabil	lity study (Parts to b	e measured after paint, whe	n applicable)PEF	CAVITY				
	μ									
	LEVEL 3	Level 2 plus Red	quirements checked	below:						
		Material Certifica				Secondary On	eration Process Fl	ow, Contro Plan	PFMEA (paint	ter, etc)
		Process Flow				Tooling Picture		, concorright,		,,
		Control Plan				Packaging Pla				
		PFMEA				Salt Spray Tes				
		Cosmetic Valida	ation Form				sults (See comme	nts section for sp	acific tests reg	uired)
								10 300101 101 30		uncuj
	LEVEL 4	Level 3 plus any	other requirements	defined on the JWS Purcha	ase Order or noted	in comments se	ction below			
	•									
Comments:	AEM proposed new of	leaning proces	iS.							
	JWS to run thermal to	ests to check fo	or outgassing							
	JWS to run thermal to Ship to Freistadt, A									
SUBMISSIO	Ship to Freistadt, A	ttn: Mike Swia	atek	or items checked belo	w.					
	Ship to Freistadt, A N RESULTS:	ttn: Mike Swia	atek s are included fo	or items checked belo	w:	Secondary O	peration Control	Plan (painter, pl	ater. etc)	
SUBMISSIO	Ship to Freistadt, A N RESULTS: Dimensional Layout	ttn: Mike Swia Results	atek s are included fo	FMEA	w:		peration Control			
X	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud	<mark>ttn: Mike Swia</mark> Results y	atek s are included for P C	FMEA cosmetic Validation	w:	Secondary O	peration Proces	Flow (painter, pl	ater, etc)	
X X	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification	<mark>ttn: Mike Swia</mark> Results y	atek s are included for C X	FMEA cosmetic Validation ooling Pictures	w:	Secondary O Secondary O	peration Proces	Flow (painter, pl (painter, plater,	ater, etc)	
X X X X	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow	<mark>ttn: Mike Swia</mark> Results y	atek s are included fr P C C X T X	FMEA osmetic Validation ooling Pictures ackaging Plan	w:	Secondary O Secondary O	peration Proces	Flow (painter, pl (painter, plater,	ater, etc)	
X X X X	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan	<mark>ttn: Mike Swia</mark> Results y s	atek s are included fo c C X T X S S S	FMEA osmetic Validation ooling Pictures ackaging Plan alt Spray Test Results	w:	Secondary O Secondary O	peration Proces	Flow (painter, pl (painter, plater,	ater, etc)	
X X X X These results	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec	<mark>ttn: Mike Swia</mark> Results y s	atek s are included f C C X T X P X S equirements inclu	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results iding all print notes:		Secondary O Secondary O	peration Proces	Flow (painter, pl (painter, plater,	ater, etc)	
X X X X These results X	Ship to Freistadt, A Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes	ttn: Mike Swir Results y s ifications and re	atek s are included fr s are included fr C X T X P S equirements inclu	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results <u>uding all print notes:</u> No (If No, please explain)		Secondary O Secondary O	peration Proces	Flow (painter, pl (painter, plater,	ater, etc)	
X X X X These results X	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res	ttn: Mike Swir Results y s ifications and re	atek s are included fr c X T X P S equirements inclu table substances?	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results uding all print notes: No (If No, please explain)		Secondary O Secondary O Other Test R	peration Proces peration PFMEA asults (see comn	Flow (painter, pl (painter, plater, nents section)	ater, etc)	
X X X X These results X	Ship to Freistadt, A Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes	ttn: Mike Swir Results y s ifications and re	atek s are included fr s are included fr C X T X P S equirements inclu	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results <u>uding all print notes:</u> No (If No, please explain)		Secondary O Secondary O Other Test R	peration Proces	Flow (painter, pl (painter, plater, nents section)	ater, etc)	
X X X X These results X	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res	ttn: Mike Swir Results y s ifications and re	atek s are included fr c X T X P S equirements inclu table substances?	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results uding all print notes: No (If No, please explain)		Secondary O Secondary O Other Test R	peration Proces peration PFMEA asults (see comn	Flow (painter, pl (painter, plater, nents section)	ater, etc)	
X X X These results X Note: Does thi DECLARATI	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res Yes	ttn: Mike Swir Results y s ifications and re tricted or report	atek s are included fr c C X T X P X equirements inclu table substances? X	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results uding all print notes: No (If No, please explain)		Secondary O Secondary O Other Test R MSDS sheets	peration Proces peration PFMEA esults (see comm	Flow (painter, pl (painter, plater, nents section)	ater, etc)	
X X X These results X Note: Does thi DECLARATI	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res Yes ION	ttn: Mike Swia Results y s ifications and re tricted or report	atek s are included fr c C X T X P X S equirements inclu table substances? X e representative of o	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results <u>rding all print notes:</u> No (If No, please explain) No	le to the applicable	Secondary O Secondary O Other Test R MSDS sheets	peration Proces peration PFMEA esults (see comm i included with pa ngs and	Flow (painter, pl (painter, plater, nents section)	ater, etc)	
X X X These results X Note: Does thi DECLARATI I affirm that the specifications and	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res Yes ION	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X T X P X S equirements inclu table substances? X e representative of o	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results uding all print notes: No (If No, please explain)	le to the applicable	Secondary O Secondary O Other Test R MSDS sheets	peration Proces peration PFMEA esults (see comm i included with pa ngs and	Flow (painter, pl (painter, plater, nents section)	ater, etc)	
X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res Yes ON samples represented by nd are made from speci from this declaration below	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X T X P X S equirements inclu table substances? X e representative of o	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results <u>rding all print notes:</u> No (If No, please explain) No	le to the applicable	Secondary O Secondary O Other Test R MSDS sheets	peration Proces peration PFMEA esults (see comm i included with pa ngs and	Flow (painter, pl (painter, plater, nents section)	ater, etc)	
X X X These results X Note: Does thi DECLARATI I affirm that the specifications and	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res Yes ON samples represented by nd are made from speci from this declaration below	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X T X P X S equirements inclu table substances? X e representative of o	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results <u>rding all print notes:</u> No (If No, please explain) No	le to the applicable	Secondary O Secondary O Other Test R MSDS sheets	peration Proces peration PFMEA esults (see comm i included with pa ngs and	Flow (painter, pl (painter, plater, nents section)	ater, etc)	
X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res Yes ON samples represented by nd are made from speci from this declaration below	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X T X P X S equirements inclu table substances? X e representative of o	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results <u>rding all print notes:</u> No (If No, please explain) No	le to the applicable	Secondary O Secondary O Other Test R MSDS sheets	peration Proces peration PFMEA esults (see comm i included with pa ngs and	Flow (painter, pl (painter, plater, nents section)	ater, etc)	
X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res Yes ON samples represented by nd are made from speci from this declaration below	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X Tr X P sequirements inclu table substances? X e representative of o regular production	FMEA cosmetic Validation ooling Pictures ackaging Plan alt Spray Test Results <u>rding all print notes:</u> No (If No, please explain) No	le to the applicable	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA esults (see comm i included with pa ngs and	Flow (painter, pl (painter, plater, nents section)	ater, etc)	
X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f Explanation/C Print Name:	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res Yes ON samples represented by nd are made from speci from this declaration below	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X Tr X P sequirements inclu table substances? X e representative of o regular production	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than the itle:	le to the applicable	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA soults (see comm included with pa ngs and a noted	Flow (painter, pl (painter, plater, nents section)	ater, etc) etc)	2-2023
X X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f Explanation/C Print Name: Supplier Auth	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec yes is part contain any res Yes ION samples represented by nd are made from speci from this declaration belo Comments:	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X Tr X P sequirements inclu table substances? X e representative of o regular production	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than the itle:	le to the applicable e regular productio	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA soults (see comm included with pa ngs and a noted	Flow (painter, plater, painter, plater, nents section)	ater, etc) etc)	2-2023
X X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f Explanation/C Print Name: Supplier Auth	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Spart contain any res Yes NON samples represented by nd are made from speci from this declaration bele Comments: Internal Use Only	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X Tr X P sequirements inclu table substances? X e representative of o regular production	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than the itle:	le to the applicable e regular productio	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA soults (see comm included with pa ngs and a noted	Flow (painter, plater, painter, plater, nents section)	ater, etc) etc)	2-2023
X X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f Explanation/C Print Name: Supplier Auth	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Spart contain any res Yes NON samples represented by nd are made from speci from this declaration bele Comments: Internal Use Only	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X Tr X P sequirements inclu table substances? X e representative of o regular production	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than the itle:	le to the applicable e regular productio	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA soults (see comm included with pa ngs and a noted	Flow (painter, plater, painter, plater, nents section)	ater, etc) etc)	2-2023
X X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f Explanation/C Print Name: Supplier Auth	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Spart contain any res Yes NON samples represented by nd are made from speci from this declaration bele Comments: Internal Use Only	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X Tr X P sequirements inclu table substances? X e representative of o regular production	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than the itle:	le to the applicable e regular productio	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA soults (see comm included with pa ngs and a noted	Flow (painter, plater, painter, plater, nents section)	ater, etc) etc)	2-2023
X X X These results X Note: Does thi DECLARATI I affirm that the specifications al any deviations f Explanation/C Print Name: Supplier Auth J.W. Speaker Part Warrant	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec spart contain any res Yes NON samples represented by nd are made from speci from this declaration bele Comments: Internal Use Only Disposition: Approved	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X Tr X P S equirements inclu substances? X erepresentative of o regular production T	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than th itle:	le to the applicable e regular productio	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA soults (see comm included with pa ngs and a noted	Flow (painter, plater, painter, plater, nents section)	ater, etc) etc)	2-2023
X X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f Explanation/C Print Name: Supplier Auth	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res Yes ON samples represented by nd are made from speci from this declaration bel Comments: Internal Use Only Disposition: Approved Approval:	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included free s are included free C X Trick X P Sequirements inclu table substances? X arepresentative of on regular production Trick Rejected	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than th itle:	le to the applicable e regular productio	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA soults (see comm included with pa ngs and a noted	Flow (painter, plater, painter, plater, nents section)	ater, etc) etc)	2-2023
X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f Explanation/C Print Name: Supplier Auth J.W. Speaker Part Warrant	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Second	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included fr c C X Tr X P S equirements inclu substances? X erepresentative of o regular production T	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than the itle: Cother (provide explain)	le to the applicable e regular productio	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA esults (see comm included with participant estimates and enoted	Flow (painter, plater, painter, plater, nents section)	ater, etc) etc)	2-2023
X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f Explanation/C Print Name: Supplier Auth J.W. Speaker Part Warrant	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Yes is part contain any res Yes ON samples represented by nd are made from speci from this declaration bel Comments: Internal Use Only Disposition: Approved Approval:	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included free s are included free C X Trick X P Sequirements inclu table substances? X arepresentative of on regular production Trick Rejected	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than the itle: Cother (provide explain)	le to the applicable e regular productio	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA esults (see comm included with participant estimates and enoted	Flow (painter, plater, painter, plater, nents section)	ater, etc) etc)	2-2023
X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f Explanation/C Print Name: Supplier Auth J.W. Speaker Part Warrant	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Second	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included free s are included free C X Trick X P Sequirements inclu table substances? X arepresentative of on regular production Trick Rejected	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than the itle: Cother (provide explain)	le to the applicable e regular productio	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA esults (see comm included with participant estimates and enoted	Flow (painter, plater, painter, plater, nents section)	ater, etc) etc) 12-02	
X X X X These results X Note: Does thi DECLARATI I affirm that the specifications at any deviations f Explanation/C Print Name: Supplier Auth J.W. Speaker Part Warrant Part Function JWS Name:	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec Second	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included free s are included free C X Trick X P Sequirements inclu table substances? X arepresentative of on regular production Trick Rejected	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than the itle: Cother (provide explain)	le to the applicable e regular productio	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA esults (see comm included with participant estimates and enoted	Flow (painter, plater, painter, plater, nents section)	ater, etc) etc) 12-02	
X X X These results X Note: Does thi DECLARATI I affirm that the specifications a any deviations f Explanation/C Print Name: Supplier Auth J.W. Speaker Part Warrant	Ship to Freistadt, A N RESULTS: Dimensional Layout 30pc Capability Stud Material Certification Process Flow Control Plan meet all drawing spec spart contain any res yes spart contain any res Yes ION samples represented by nd are made from speci from this declaration bele Comments: Internal Use Only Disposition: Approved Approved Mike Swiatek	ttn: Mike Swia Results y s ifications and re tricted or report this warrant are fied materials on	atek s are included free s are included free C X Trick X P Sequirements inclu table substances? X arepresentative of on regular production Trick Rejected	FMEA cosmetic Validation coling Pictures ackaging Plan alt Spray Test Results rding all print notes: No (If No, please explain) No ur parts and have been mad tooling with no other than the itle: Cother (provide explain)	le to the applicable e regular productio	Secondary O Secondary O Other Test R MSDS sheets customer drawi n process. I hav	peration Proces peration PFMEA esults (see comm included with participant estimates and enoted	Flow (painter, plater, painter, plater, nents section)	ater, etc) etc) 12-02	